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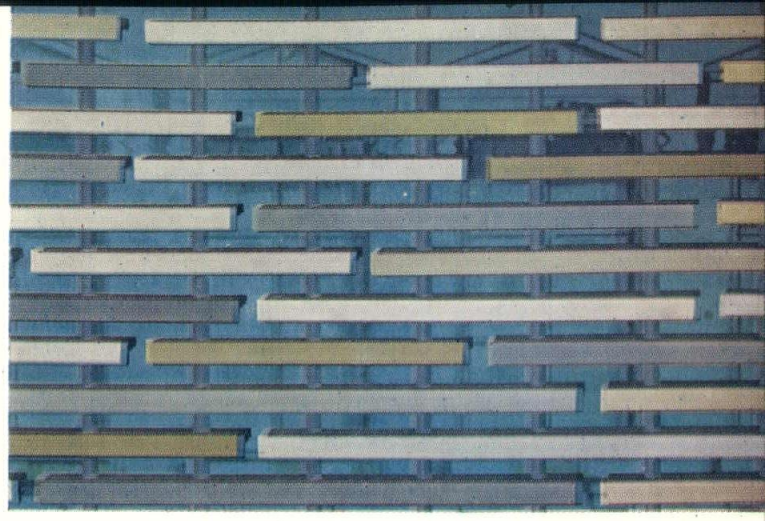

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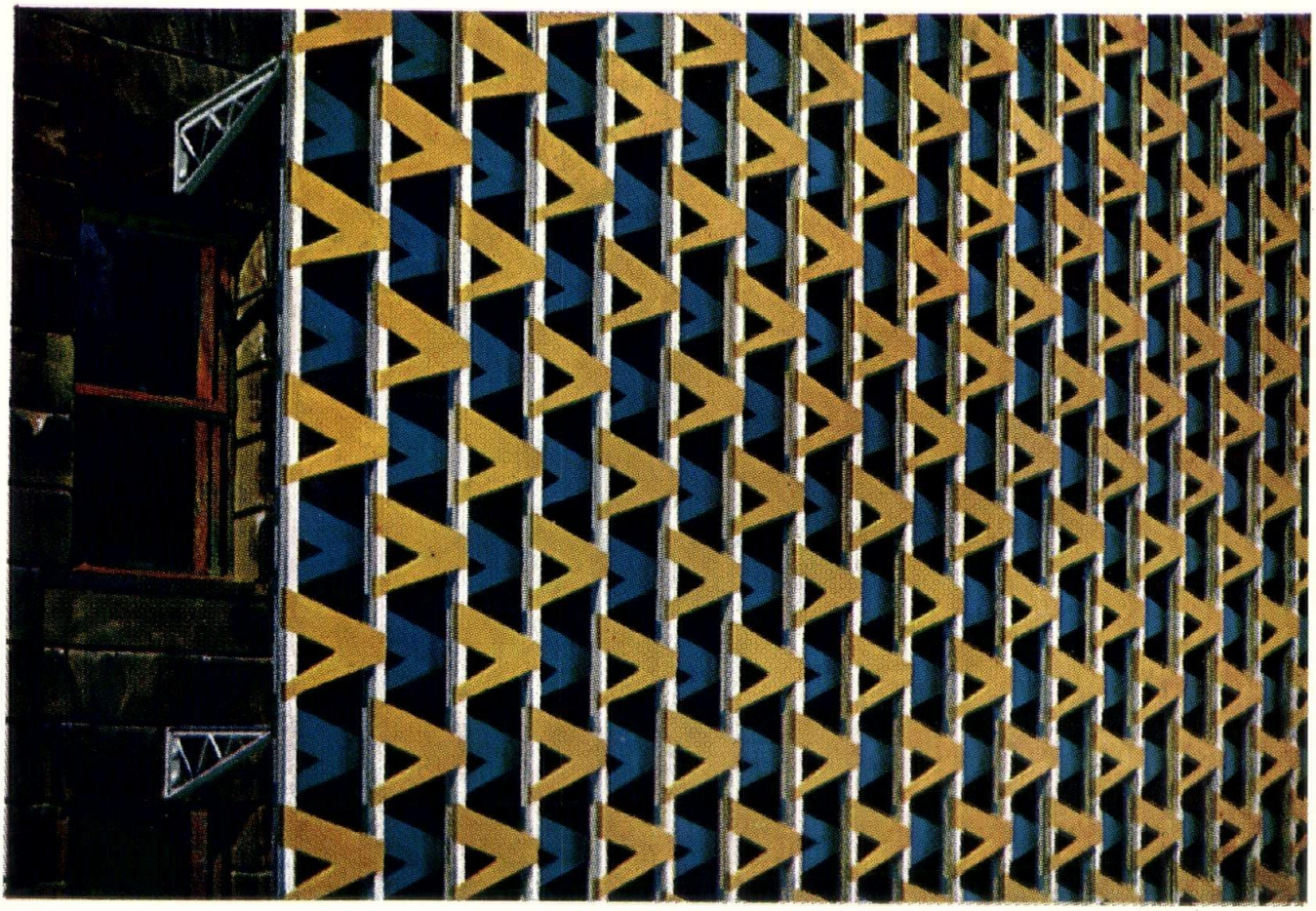
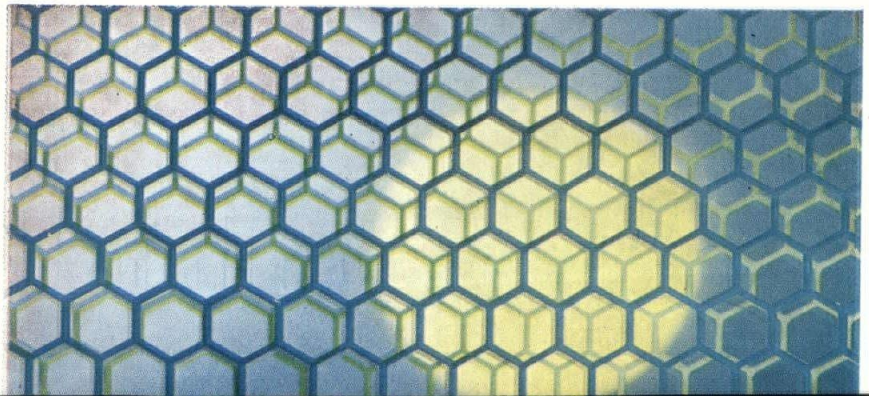




new faces for old

You could go fishing too if D. G. Beyer, Inc. was on the job!

GENERAL CONTRACTOR, MILWAUKEE

exposed aggregates

a.i.a. file: 4a

Prepared as a service to architects by Portland Cement Association

clip along dotted line

Exposed aggregate provides concrete surfaces of unusual beauty and variety. To emphasize the gleaming freshness, true colors and textures of the aggregate, architects, today, choose concrete made with white portland cement. It is also an excellent tinting base for mineral coloring pigments.

Reveal of precast concrete panels is largely determined by aggregate size. When panels are to be viewed relatively close, less reveal is needed. When panels are some distance from the main flow of pedestrian traffic, greater reveal is required for a rough textured look.

Polished panels of pastel colors tend to appear white when viewed from a distance due to the high reflectance of the surface.

Shown at right is a table which demonstrates the unlimited range of colors possible with commercial aggregates and white cement.

Write for additional free information (U.S. and Canada only.)

VISIBILITY SCALE

aggregate size	*distance at which texture is visible*
¼″—½″	20— 30 feet
½″—1″	30— 75 feet
1″—2″	75—125 feet
2″—3″	125—175 feet

First National Bank, San Angelo, Texas. Architects: Abel B. Pierce and George Pierce, A.I.A., Architect & Planning Consultants, Houston. Structural Engineer: Walter P. Moore, Houston. Contractor: Templeton & Cannon, San Angelo

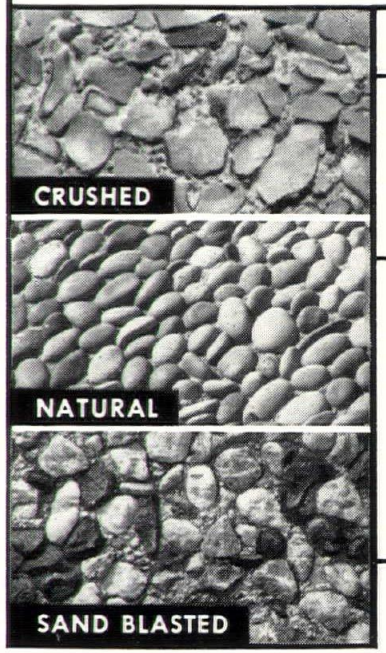


TABLE OF COMMON COMMERCIAL AGGREGATES

		SIZE	USES	SOURCE**	COLOR RANGE
GLASS*	ARTIFICIAL	¼″—1½″	stained glass, walls, panels	Mich., N.J., Texas	brilliant and almost unlimited ranges
CERAMIC	ARTIFICIAL	¼″—1½″	curtain wall panels, ornamental work	Ark., Ariz., Mich.	any color
SAND	MINERALS	fine to coarse	plain or sculptured panels	all areas	white-buff-yellow
PEBBLES	MINERALS	¼″—6″	tilt-up walls, panels, walkways	west & southeast	white-red-orange-buff-black
MARBLE	MINERALS	½″—2″	curtain wall panels	all areas	white-red-buff-yellow-black
GRANITE	MINERALS	¾″—2½″	tilt-up walls, panels, walkways	midwest & west	red-gray-buff-dark blue-black
QUARTZ	MINERALS	½″—2″	curtain wall panels	east, west, south & midwest	white-pink-gray-clear

*Reactivity: some glasses may react with alkalis in the cement to cause expansion. Consult glass manufacturer to determine if glass is reactive.

**List of manufacturers available.

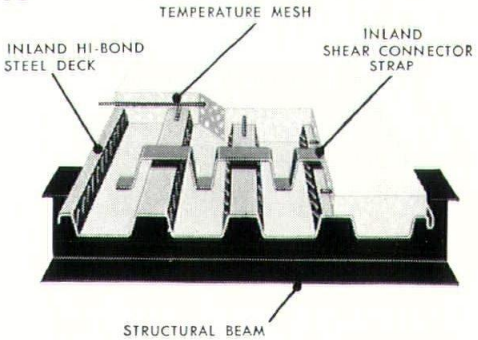
PORTLAND CEMENT ASSOCIATION 735 North Water Street, Milwaukee, Wis. 53202 *An organization to improve and extend the uses of concrete*

Photograph by Pohlman Studios, Inc.

NEW ECONOMIES IN COMPOSITE CONSTRUCTION

Inland Hi-Bond Composite Design gives you more strength per pound of steel and, therefore, greater savings in composite slab/beam construction. ■ Inland Hi-Bond Floor Deck permits significant floor slab economies through its integral lugs which lock steel deck and concrete to act as a unit. ■ Now, the expanded Inland Composite System includes shear connectors* between the slab and supporting beams, providing a total composite design for the entire structure. Lighter floor slabs, beams and columns do the work of heavier non-composite elements, result in significant savings. Write for more information.

*NELSON® stud shear connectors shown in the illustration above.



ALTERNATE: INLAND SHEAR CONNECTOR STRAP is welded through Inland Hi-Bond Deck to the beam below.

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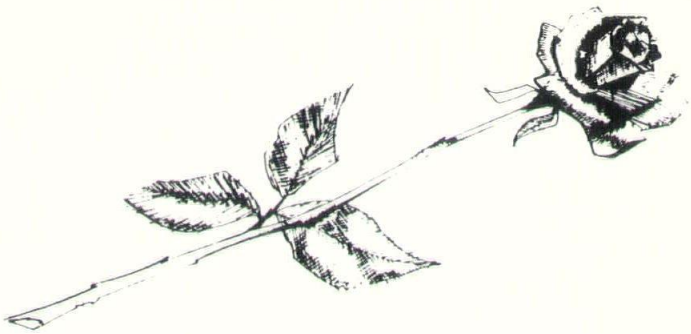
EP-41 A

IN THE MARKET FOR ALL-OUT BEAUTY?



KING OF KINGS LUTHERAN CHURCH

1964 MERIT AWARD WINNER
WISCONSIN STATE A.I.A. CONVENTION

SCHUETT, ERDMANN & GRAY
ARCHITECTS III

CONTRACTOR: HENRY TORKE & SON

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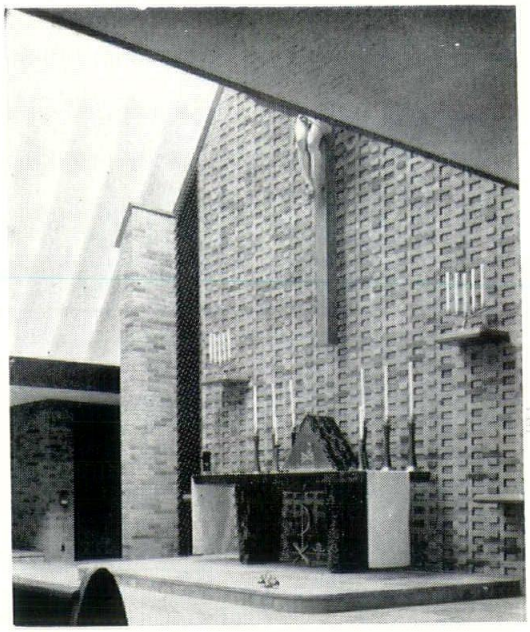

more distinctive colors

more adaptable sizes

more exclusive textures

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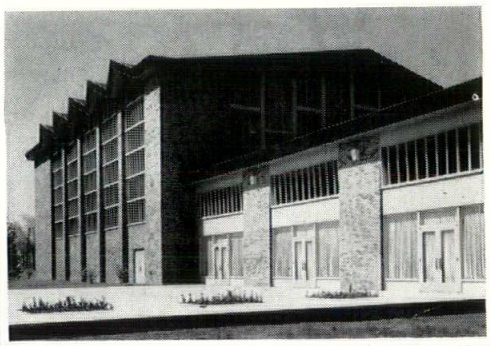

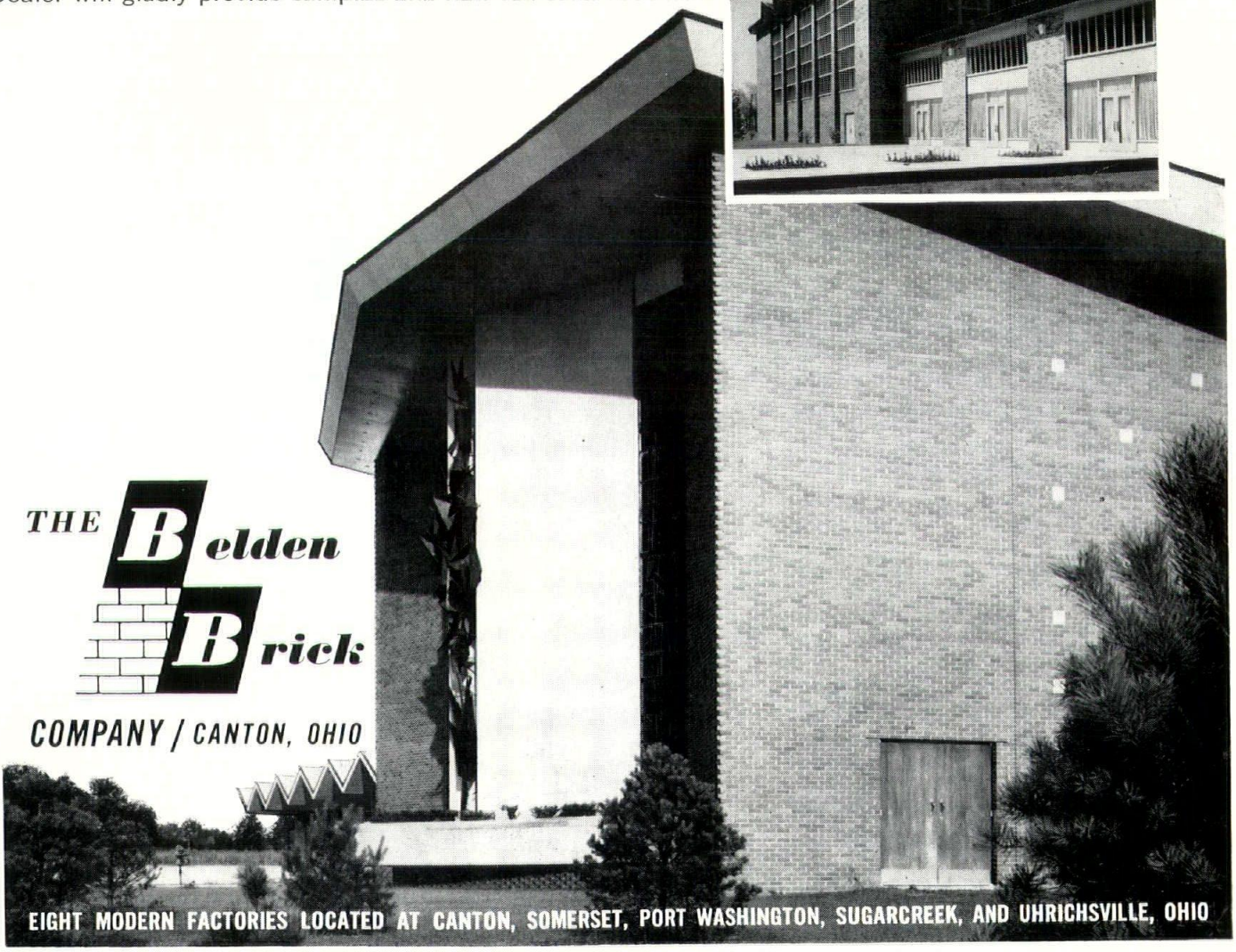

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Cactus Canyon Stones

"from out of the west"

A blend of *CACTUS CANYON ROSE, GOLD, MOSSBACK* and *WHITE* are combined to create a prayer in stone.

Peace Family Chapel — Lakeview, Texas
Matt E. Howard & Associates, Architects
HOBSCO Const. Co., Contractor

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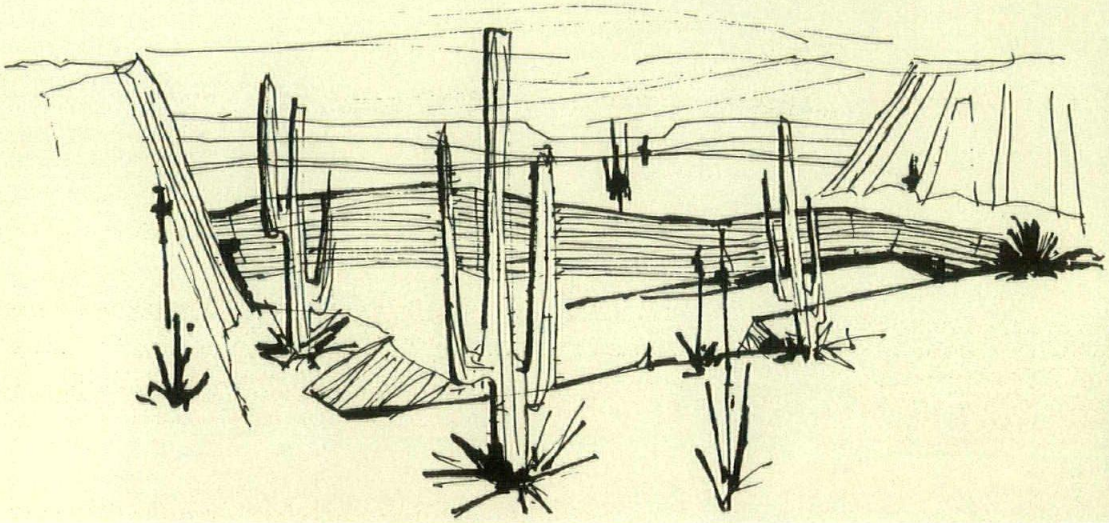
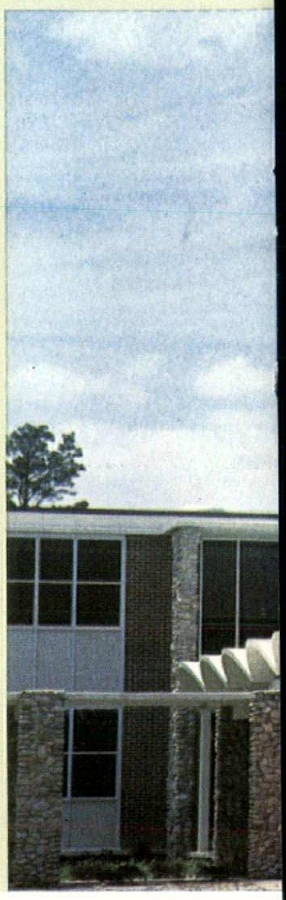
NEW...REFRESHING

COMPATIBILITY IS THE KEY TO THIS MATCHLESS COMBINATION





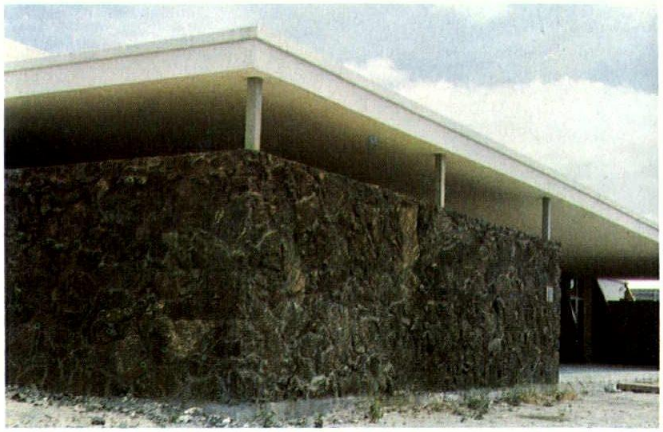
Cactus Canyon Stones

"from out of the west"

are picturesquely referred to as "hunks and chunks." All *CACTUS CANYON STONES* are naturally rough, rustic, uneven in size and shape. None are pitched, sawed or tooled. Sizes vary from 6″ to 18″ in diameter. The vibrant colors found in these stones are truly magnificent.

CACTUS CANYON STONES provide an architectural challenge. Because of the variety of color and texture, they are completely flexible, adapting themselves to any design concept. This rare blending of architectural requirements has been evidenced through specifications in every field of design . . . in religious structures, educational facilities and in both commercial and residential design.

CACTUS CANYON STONES provide sound architectural concepts with a suitable medium of expression.



Strength of centuries past is displayed here with the use of *CACTUS CANYON LAVA.*

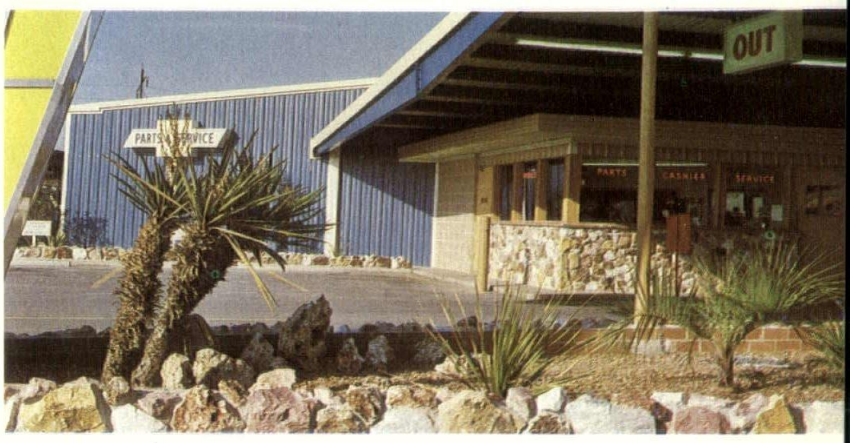
Jesuit College Gymnasium
R. H. Brogniez & Associates, Architects
ACCO Constructors, Contr.

CACTUS CANYON STONES offer a full array of colors from which to make your selection:

- *Cactus Canyon Driftwood*
  - *Cactus Canyon Gold*
- *Cactus Canyon Gray*
  - *Cactus Canyon Green*
  - *Cactus Canyon Mossback*
- *Cactus Canyon River Bed Boulders*
  - *Cactus Canyon Rose*
  - *Cactus Canyon Turquoise*
  - *Cactus Canyon White*

CACTUS CANYON WHITE TO BLUE RIVER BED BOULDERS was selected to achieve a soft elegance in this outstanding educational facility.

North Shore Senior High School
Lightfoot & Burleson, Architects
LeBlanc, Inc., General Contractors
Herman L. May & Co., Inc., Masonry Contrs.

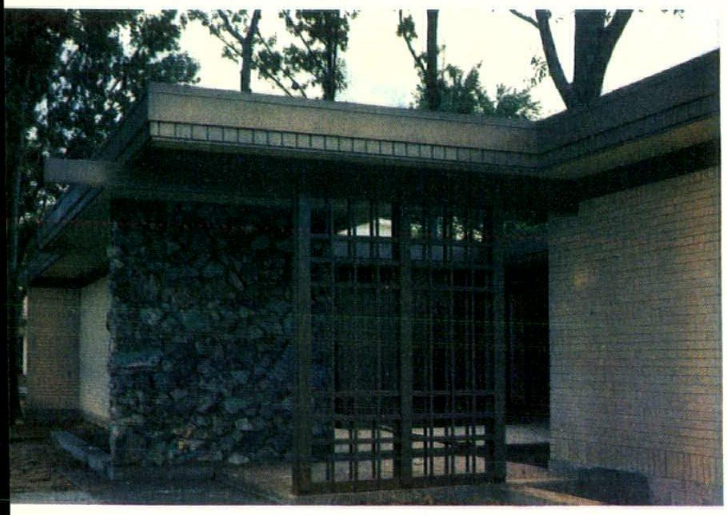


A striking blend of *CACTUS CANYON MOSSBACK, GOLD, WHITE* and *ROSE* are skillfully executed to highlight the elevation of this commercial design.

MacRobert Chevrolet, Inc.
Mes-Tex Steel Buildings, Contrs. & Engrs.

LAVALITE, a natural lightweight volcanic stone, displays an exotic blending of surface colors.

Sharpview Manor Apts.
William F. Wortham, Architect
Andrews & Andrews, Inc., Contr.



CACTUS CANYON TURQUOISE, "an architectural gem" highlights this contemporary residence.

Cahana Residence
Ressler & Applebaum, Architects
Sam Marshall, Builder

CACTUS CANYON DRIFTWOOD creates unique depth and texture in this massive fireplace.

A. C. Halquist, Jr. Residence
Sussex, Wisconsin

SPECIFICATIONS:

STONE: CACTUS CANYON STONES, as produced by Cactus Canyon Quarries, Inc.

SHAPES: Hunks and chunks of rough, rustic stone; uneven in size and shape; none are pitched, sawed or tooled.

SIZES: 6″ to 18″ diameter.

COVERAGE: Approximately 25 to 35 sq. ft. per ton.

MORTAR: It is highly recommended that mortar be colored to blend with basic stone.

MORTAR JOINTS: Raked to a depth of 2″ to 3″. This minimizes joints.

SETTING: Lay stone to achieve maximum texture, in a free form style of broken irregular faces; turn most colorful side out to create the desired architectural effect. Bunching of sizes and colors will not be permitted. Lay wall "as if it were a mountain to be scaled by a climber." The rougher the texture, the more effective the stone.

SPECIFY:

Cactus Canyon Stones

"from out of the west"

AS PRODUCED BY

Cactus Canyon Quarries, Inc.

Home Office: Houston, Texas
11711 Winshire Circle

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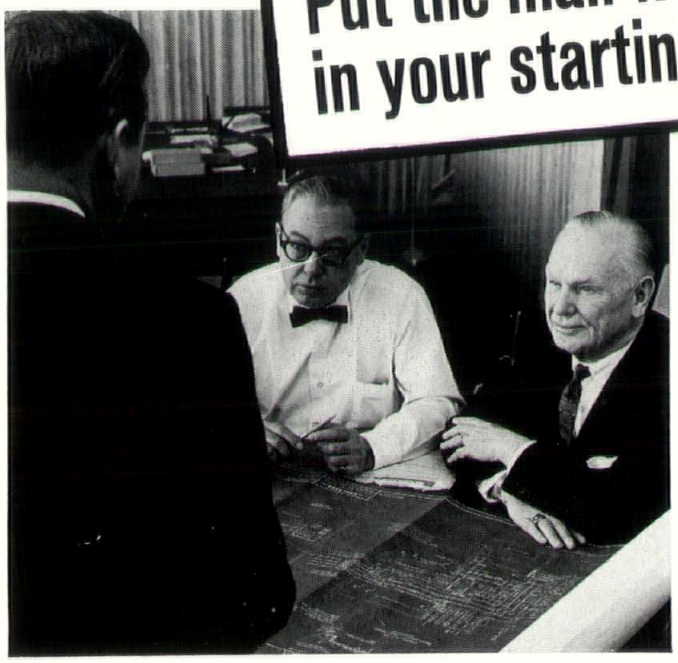

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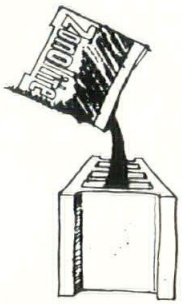
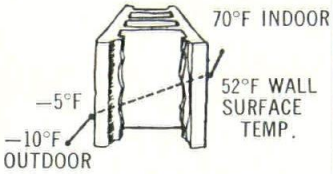
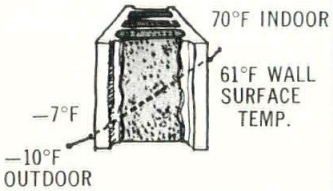
HERE'S WHY ARCHITECTS SPECIFY ZONOLITE® MASONRY FILL



For Economy Because Zonolite Masonry Fill Insulation is poured into the block wall rather than applied to the interior surface, it allows the architect to achieve remarkable economies in construction. The interior wall surfaces may be of the same block that is exposed on the exterior. Decorate by simply painting.

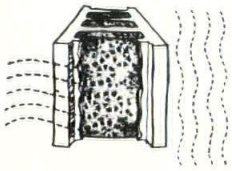


U=.33 WITHOUT MASONRY FILL

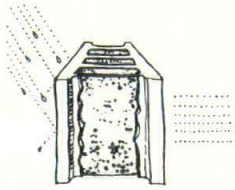


U=.17 WITH MASONRY FILL

For Insulation Value Zonolite Masonry Fill is an excellent insulation. The illustration above shows exterior and interior temperature contrasts on an 8″ lightweight concrete block filled with the material. Note the U value of .17. Without the insulation, the U value of this same block is .33.



For Uniformity of Temperature The interior surface of the block stays at a comfortable temperature, all over. There are no hot or cold spots, because the method of thermal transmission, convection in the block cells, is baffled. Conduction through the web of block is negligible.



For Its Water Repellency Each granule of Zonolite Masonry Fill is coated with a special material so that it cannot absorb and hold moisture. Exhaustive tests at Penn State have proved the remarkable water repellency of the material. Interior walls stay dry.

For Sound Deadening A benefit of using Zonolite Masonry Fill Insulation. A common type of concrete block (3-cell, 8″ x 8″ x 16″) reduces the loudness of sound 33 decibels all by itself. Add Zonolite Masonry Fill Insulation and the loudness is reduced another 20% to 31%.

Zonolite Masonry Fill makes it practical to insulate nearly any block or cavity wall. It's low installed cost allows insulating many masonry buildings that didn't warrant the expenses of other insulating methods.

For further information, write: **Western Mineral Products Company**

4725 OLSON HIGHWAY • MINNEAPOLIS 22, MINNESOTA

*Zonolite is a registered trademark of the Zonolite Division of W.R. Grace & Co.

GAS

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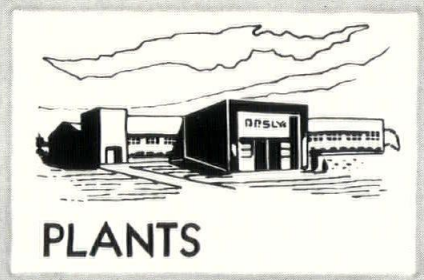

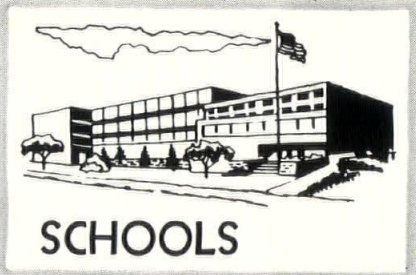

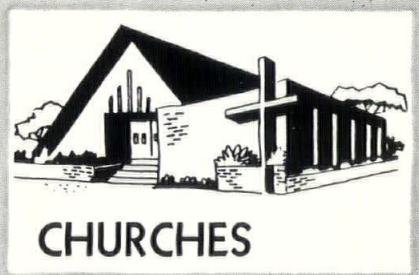

More and more schools, churches, commercial and industrial buildings are now converting their heating systems to natural gas.

THE REASON —

There is a new, low cost heating and cooling rate especially designed for applications large or small, old or new.

THIS NEW RATE OFFERS:

- Great Economy
- High Efficiency
- Complete Automation
- Exceptional Cleanliness
- Extra Convenience
- Low Maintenance
- No Delivery Problems

for information contact

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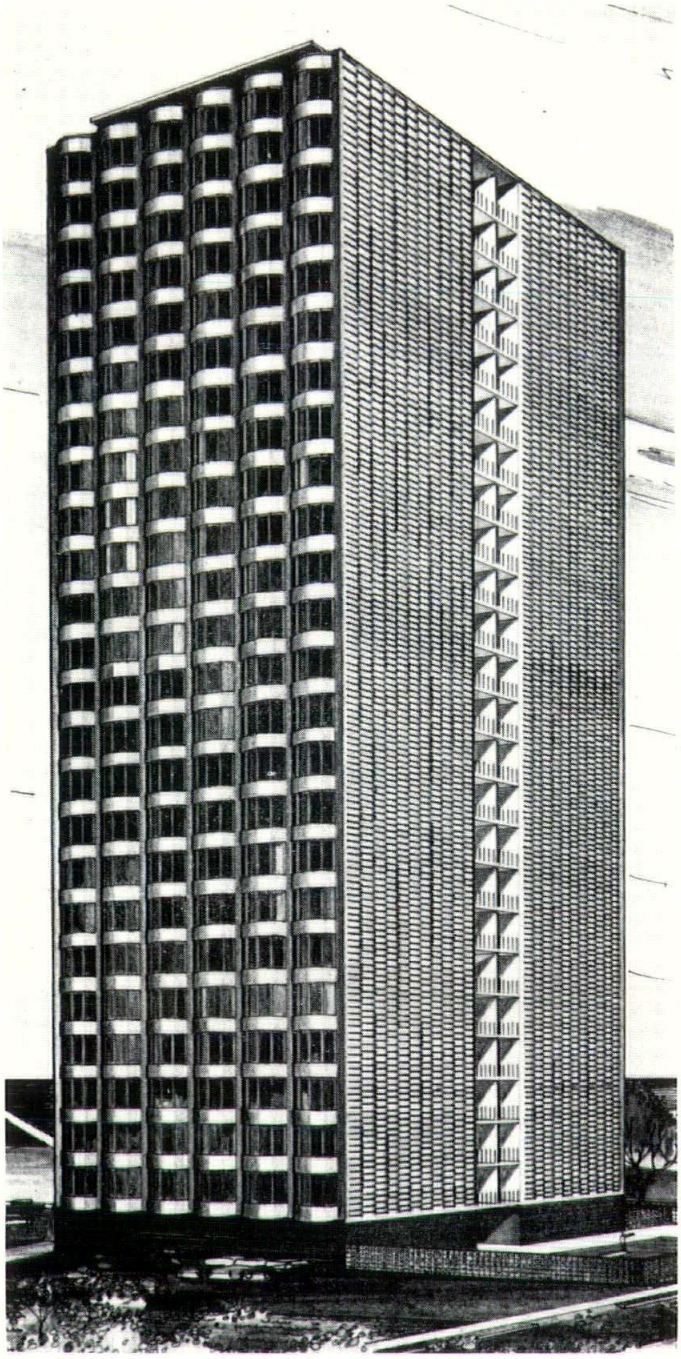
Manager, Comm. & Ind. New Business

MILWAUKEE GAS LIGHT COMPANY

626 E. WISCONSIN AVENUE

BRoadway 6-6720 • Ext. 377



Bay View Terrace Selects New Wood Double Hung Windows By Pella

Qualities of easy maintenance and weather-tightness makes the Pella Double-Hung ideal for use in commercial and institutional buildings. *They can be washed from the inside, painted from the inside, and sash can be removed from the inside.* Aluminum full or half screens complete the picture.

NO-DRAFT VENTILATION

A Pella extra — at no extra cost. Just raise the lower sash a few inches, rotate it until it touches the screen, and push down until it touches the sill. Breeze blows up and over sensitive backs. Drapes don't get soggy from wind-blown rain.

WHAT TAKES THE PLACE OF THE OUTSIDE STORM?

Good question. Pella's storm panel fits tight into the sash, stays there winter and summer to shut out cold and noise and help cut air-conditioning costs. This is a Pella exclusive on double-hungs.

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MILWAUKEE GREEN BAY MADISON

A NEW RECORD

Ours well may be the same honest satisfaction that an architect feels as he watches his plans take shape in the reality of a building that surpasses his previous work. In the years since we began our Editorship of this magazine (1960), high-water marks have been lapped over frequently. This current issue finds the WISCONSIN ARCHITECT at the crest of its 31 year history.

This is the first time in 31 years that the magazine has exceeded 50 pages (52 total), an increase of 30% over the previous high.

Recalling John Brust's laconic exhortative about what is attractive in advertising: "maximum design, minimum copy, maximum color!" — this is the first time that an advertiser has tied-in — non-commercially — to produce a full color cover (thanks, Pete Alexander and Alcoa). It is the first time an advertiser has used full ROP color **and** kept copy at a minimum (thanks, D. G. Beyer). It is the first time that an advertiser has produced a two-page spread in full ROP color (thanks, Art Meyer and W. H. Pipkorn Co.). And it is the first time there have been multiple four page, full color inserts (thanks, Bill Lapp and Jim Davis, Halquist Stone and Corning Glass, respectively). And for enabling the magazine to grow to over four times the size it was four years ago, we are grateful indeed to **all** of the constant advertisers, too numerous to name here.

To continue the growth and improvement of the WISCONSIN ARCHITECT the Editor announces the appointment of Bruce Brander as Managing Editor as of the first of June. We are fortunate to have Mr. Brander, one of the best writers in this part of the country, come to this magazine from the MILWAUKEE JOURNAL, where he was a feature writer. Mr. Brander's work has also appeared in the SATURDAY REVIEW, READER'S DIGEST and more than a dozen other papers and journals. One book of his, on New Zealand, is to be released in September. He brings to the WISCONSIN ARCHITECT demonstrated scholarship and professional journalism. Mr. Brander initially will handle the same functions of writing and contacts with architects as previously handled by Mrs. Guido (Ello) Brink who is resigning due to a needed rest which follows major surgery in recent months. Mrs. Brink has served the architects of this state well. Her presence will be missed and she has our sincere good wishes for a speedy recuperation.

FREDERICK G. SCHMIDT
Editor and Publisher

COVER PICTURES COURTESY OF ALCOA

TRIBUTE TO JULIUS S. SANDSTEDT 16
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THE ARCHITECT

JUNE, 1964

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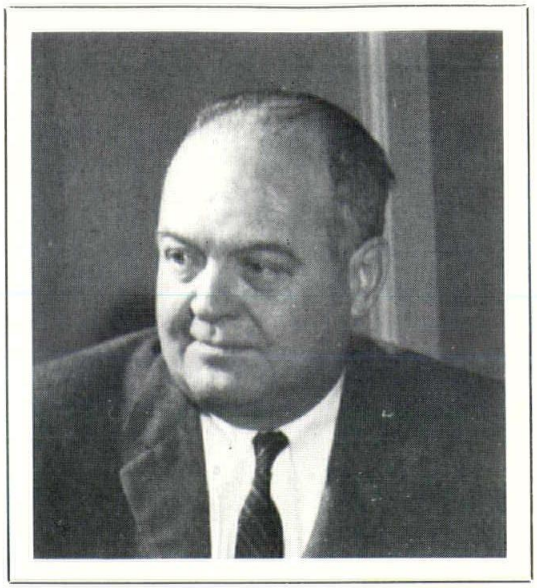


thanks to Julius S. Sandstedt

by Victor C. Gilbertson

The AIA has grown to be a big business. The 17 directors elected by the 17 regions direct this large and complex organization. Our North Central States Region has had a distinguished succession of able and dedicated directors that have done much to strengthen our national body and reflect great credit upon our region.

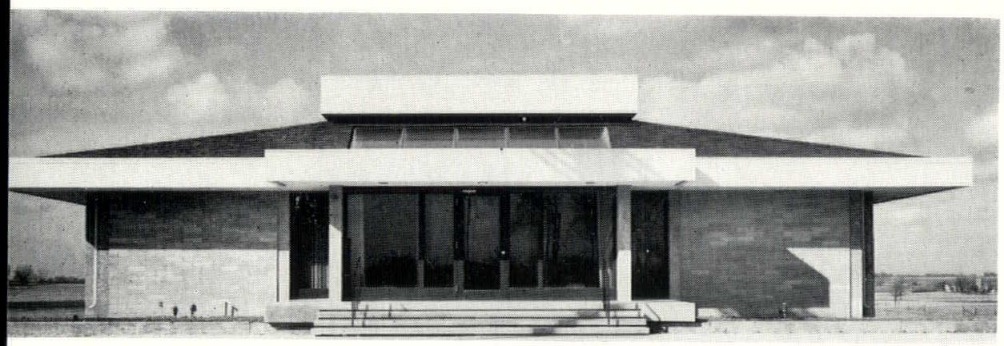
The radAIActive fallout that you as an AIA member must have been cognizant of for the last three years was due primarily to our current director Julius Sandstedt. He has guided our interests in AIA with dignity, intelligence and genuine concern. We owe him much and it would be revealing to follow him in a general way through three years of representing our region.

"Sandy" has attended all ten of the directors' meetings, made several visits to all states of the region (Wisconsin, Minnesota, North Dakota and South Dakota), served on the executive committee of the board, met with the committee on committees as an active member for two years and for the Miami convention was a member of the professional program committee that selected speakers for the seminars. He was board representative on the professional practice committee and has held two regional council meetings each year for three years of his tenure. Exactly how much home work was involved in these three years is impossible to determine, but the agenda for just one directors' meeting is thicker than the Milwaukee telephone directory.

The statistics alone are a little staggering when you consider that "Sandy" has travelled about 75,000 miles and has spent almost one month per year all on institute business for you and for me. Time and miles however can be given up by anyone with the willingness to do so, but to do a job for the region so well that we all agree he should be a V.P. is a better measure of his contribution to our professional life.

The region has been served very well indeed by our director, and as he ends his office at the St. Louis Convention, "Sandy" should know that he can take pride in the often silent but eloquent vote of thanks that the members feel.

64 MERIT AWARD



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rs and Martinsons Associates.
ison, Architects

rs Comment: "Plan seemed to close well. Hand-
e solution to problem. Distinctive building —
be remembered. Restraint and Honesty of
roach to problem without artificiality."

PROJECT DESCRIPTION
REQUIREMENTS

To provide larger, more efficient space for a farm lending agency. Present and anticipated future staff needs required 4 offices for manager and three fieldmen with direct access to lobby for customer contact; bookkeeping office; Loan committee room; board of directors room; employee's lounge; reception lobby with space for all current files, easily accessible from all offices, bookkeeping and Loan committee. A meeting room for public use was required but it must be possible to isolate it from the other parts of the building, yet with access to the toilet facilities. Building must be totally air conditioned.

THE SITE

A confined lot facing a state highway on the edge of a small, rural community. The land slopes sharply to the rear away from the highway. The site is in a residential neighborhood of modest one story "ranch" homes.

THE SOLUTION

Because of this residential neighborhood it was felt that this building must achieve a commercial institutional character but yet be compatible in scale, proportion, color, and siting with the adjacent buildings.

The plan is a symmetrical, central focus plan providing each office direct access for customer interviews and also access to the files which are maintained by one secretary - receptionist at the front lobby.

Spaces were varied to convey a changing spatial character from high ceilinged, sky lighted and open lobby ceilinged, confidential offices. Ceilings of loan committee room and bookkeeping office follow the slope of the roof to show a transition and a oneness of the space.

The building is of neutral colors, white terrazzo floor, cool grey unpainted concrete block, warm grey exposed aggregate cast in place concrete. deep grey-black window and door frames. Color is provided by the upholstery fabric, carpeting and green plants.

MATERIALS AND CONSTRUCTION

STRUCTURE: Cast in place concrete columns and piers with natural aggregate exposed. Steel joist with metal deck for first floor. Steel beams with wood secondary framing for roof construction.

FLOORS

FINISHES: Ground floor — asphalt tile over slab on grade. Board room carpeted. First floor — white terrazzo, offices carpeted.

WALLS

Exposed half-high (4"x16") concrete block exterior and interior throughout. Walnut paneling on one wall in offices.

(continued overleaf)

(continued)

CEILING

Acoustical Tile
Plaster on Cove

WINDOW & DOOR FRAMES

Hollow metal painted dark grey

GLASS

Grey tinted sheet

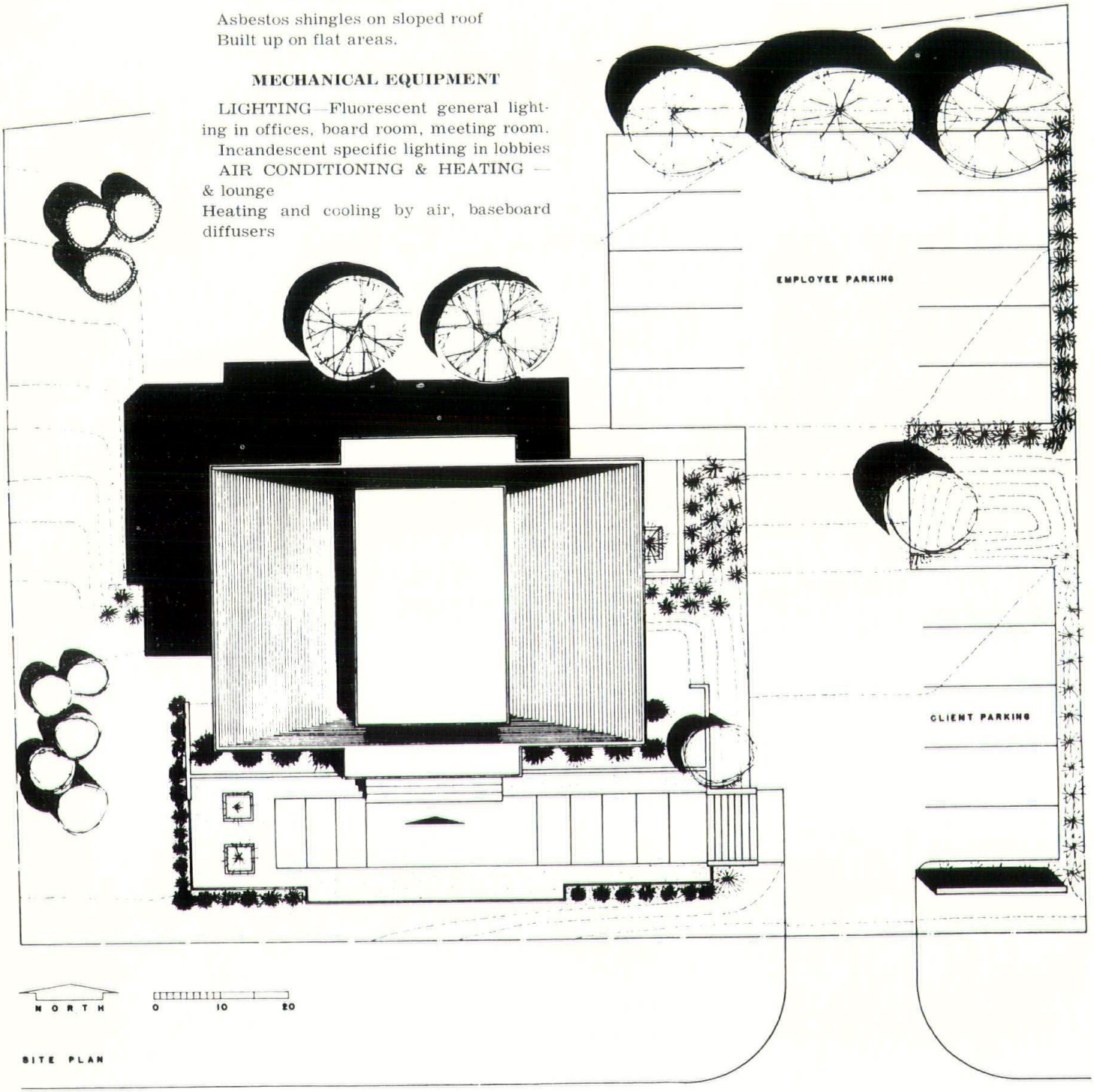
ROOFING

Asbestos shingles on sloped roof
Built up on flat areas.

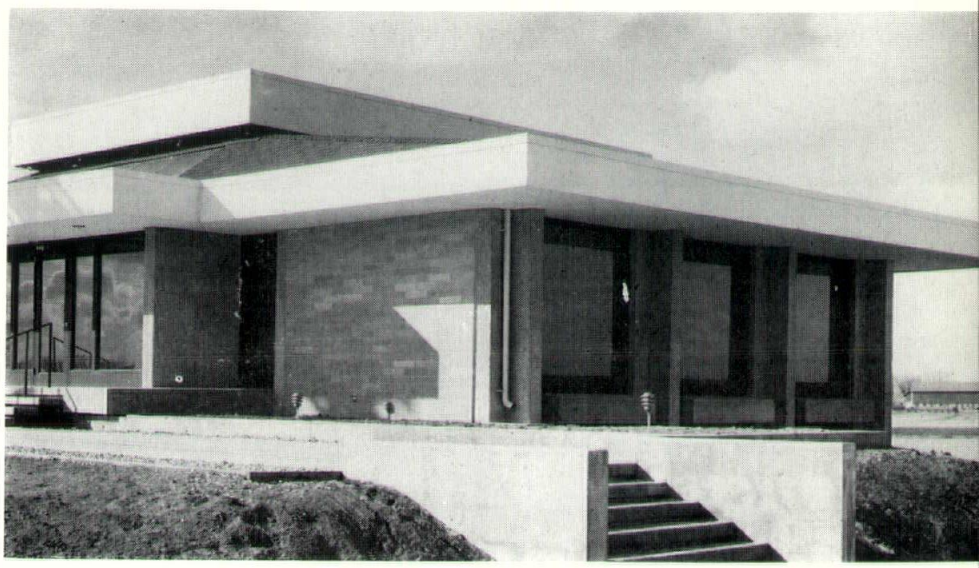
MECHANICAL EQUIPMENT

LIGHTING—Fluorescent general lighting in offices, board room, meeting room.
Incandescent specific lighting in lobbies & lounge

AIR CONDITIONING & HEATING —
Heating and cooling by air, baseboard diffusers



SITE PLAN



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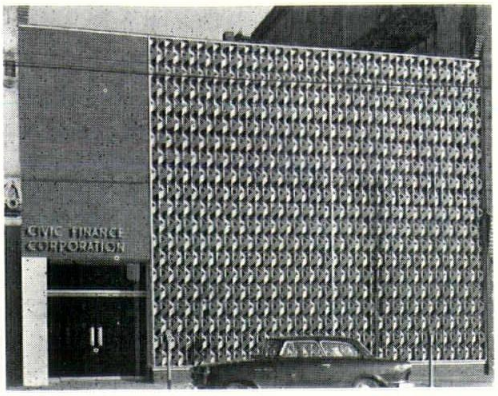
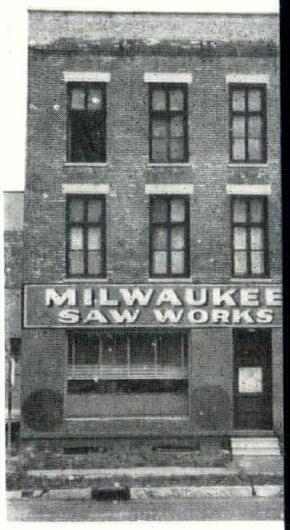


2 Photo By Big Cedar

NEW FACES FOR OLD . . .



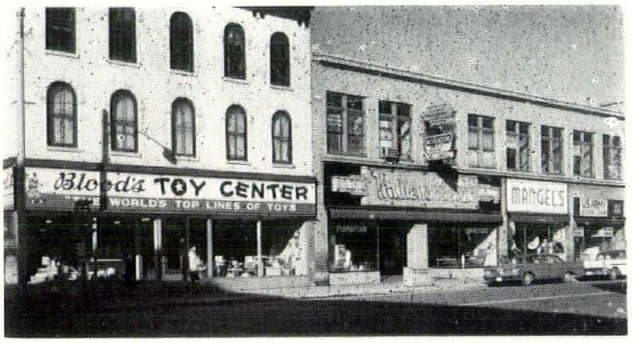


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Photo By Clare Kilton

Remodeling exteriors as well as interiors is "en vogue". New faces and spaces for old buildings are achieved with a great variety of materials and an even greater variety of purposes.

1. To give a new look to the Milwaukee Building at 622 N. Water Street in Milwaukee, the architect, Charles H. Harper Associates, tore off the old face, a four inch thick cast terra cotta skin wall, and replaced it with a richly textured new face. This new face is accomplished by means of vertical aluminum fins with baked-on bronze colored enamel, shaped to the specification of the architect. Spandrels of white cement plaster with rectangular slate inserts counteract the vertical movement of the design. The windows were given new dimensions and grey glass is used with the double function of repeating the color of the slate inserts and reducing the heat load. The architect designed a steel structure canopy with cement plaster protruding from the first level of the six story building. The vertical aluminum fins "wrap" themselves around the canopy relating it to the entire design. The approximately fifty year old building, remodeled inside and out, carries off its new face handsomely and contrasts purposely with the smooth surface of its big neighbor across the street, The Marine Plaza.

2. Von Grossmann, Burroughs and Van Lanen, architects for the remodeling of The Civic Finance Corporation building at 530 N. Water Street, also chose aluminum as one of the major materials for the exterior design. The old brick exterior was stripped off, new backing put on and an Alcoa aluminum solar screen placed over it. Dark brick and white tile at the entrance were chosen for contrast. The architect succeeded in creating a modern appearance without clashing with adjacent old properties.

3. Eugene Wasserman, architect for the remodeling of the Mullen-Walgreen stores in Sheboygan, had to demolish an old three story building, erect a new two story one and combine the two structures giving the appearance of one. This he achieved by sheathing the new and old walls with aluminum ribbed industrial siding, stucco pattern in antique gold color, divided by vertical black aluminum bars. This method united and consolidated two separate buildings into one unified form in spite of irregular interlocking of varying type of use behind the facade. The architect further unified the appearance by applying

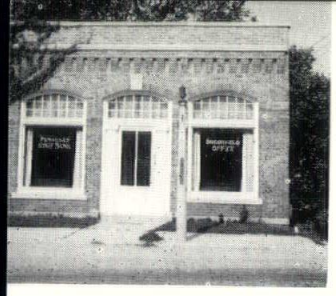

Photo By
Reimer Frank

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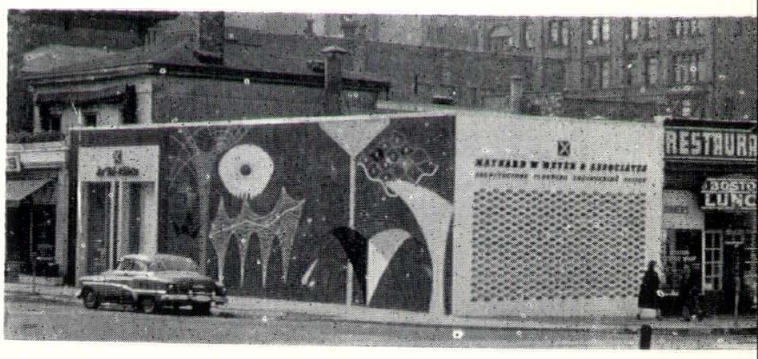

7

aluminum mesh to hide wood double-hung windows in the existing old structure known as the old "West Block".

4. Frederick D. Usinger bought the Milwaukee Saw Works building on Highland between Third and Fourth Sts. A coat of gray paint with white trimming, a new bright red door, flanked by coach lamps and a little bit of landscaping restored this old building to a pleasing and fresh appearance at a nominal cost.

5. The Pewaukee State Bank in Brookfield was in dire need of space. Maynard W. Meyer and Associates, Architects remodeled the existing structure, expanded it and with a variety of carefully chosen materials, basically following the design of the existing structure, gave a modern, dignified look to this small bank. A steel framed canopy, again following the general form of the original window heads adds an element of interest to it as well as being functional at the same time.

6. Searching for new offices, wishing to create distinctive quarters for themselves, Maynard W. Meyer and Associates chose to remodel an old drug store at E. Wells and N. Jefferson Sts. The basic thought behind the design was to combine three elements, sculpture, painting and architecture.

7. In need of added office space the Frederick D. Usinger Company developed plans to add to their existing quarters on North Third St. in Milwaukee. The only available space for this expansion was over their service driveway. In conjunction with this addition it was decided to simultaneously attempt to unify the appearance of the badly organized existing fenestration. Mr. Usinger, being very fond of the "Old World" atmosphere, decided to reproduce the style of building of his ancestors who came from Usingen in Germany. He faithfully followed the quality of workmanship and material down to the hand adzing of the half timber and the wrought iron work of the gate. He also decided to plant trees, both on the street and along the river front of his property. Being pleased with the result, he decided to paint the dock and add flower boxes converting a little noticed area into a pleasing site. The original six story building housing the Usinger plant was painted in a sand color to complement the new facade.

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are architectural schools passe?

By Sheldon Segel, AIA

The day when Wisconsin will have an architectural school is slowly drawing nearer. The attitude of most architects is that the detailed curriculum is a responsibility of the University, and I believe this is a proper position.

I feel strongly, however, that NOW is the time for our profession to question the basic concept this school should have and also to question whether schools as now established are preparing our future architects to meet the comprehensive and complex challenges they will be confronted with. I personally believe they are not.

If the architect is to assume the role of leadership for which he claims to be trained then he has to have the broader picture of total environment and he therefore will have to be trained more extensively and intensively in the respective fields of total environment. He must be knowledgeable to a high degree and about subjects for which he receives in my opinion only token training at the present. His work is becoming more specialized and he must assign to others jobs he once performed himself. These others in turn receive specialized training which takes them further from understanding the architect. The future will bring community development schemes integrated in size and scope as never before persented to the architect.

If I am correct, then it will be passe to establish a school of architecture and it is time to establish a **school for environmental design.**

A school for environmental design should offer a period of training in regional, city, architectural, interior and landscape planning, materials Eng. & specification writing which would be required of all students. The effect of this would be an understanding and knowledge of basic problems and aims in common to all these fields.

Some of the above are not now considered major fields of study, but I be-

(continued on page 31)

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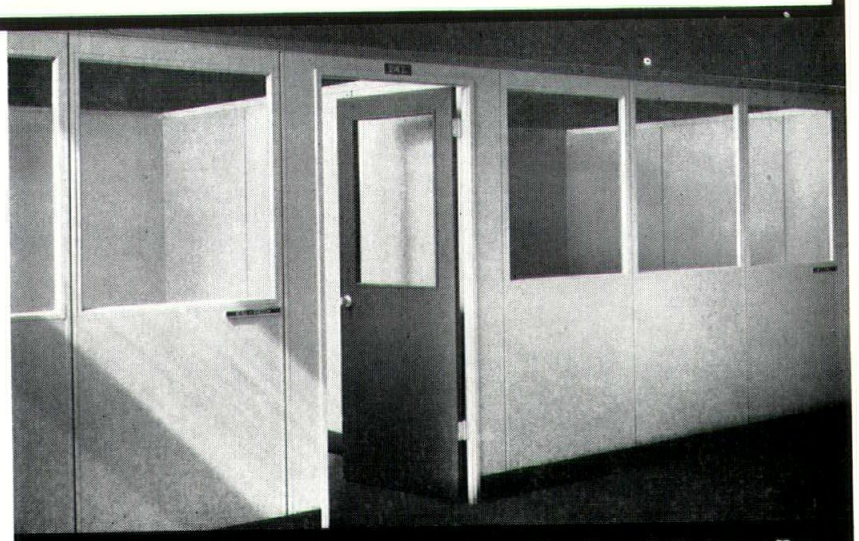

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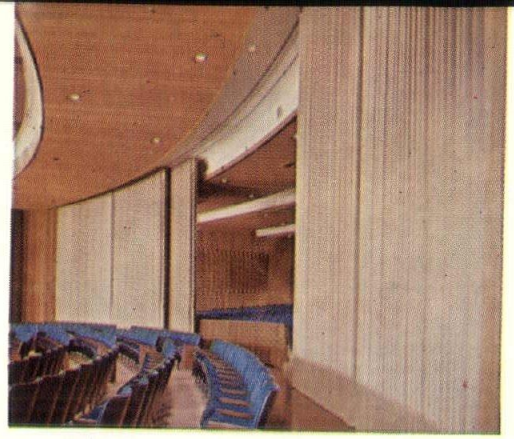

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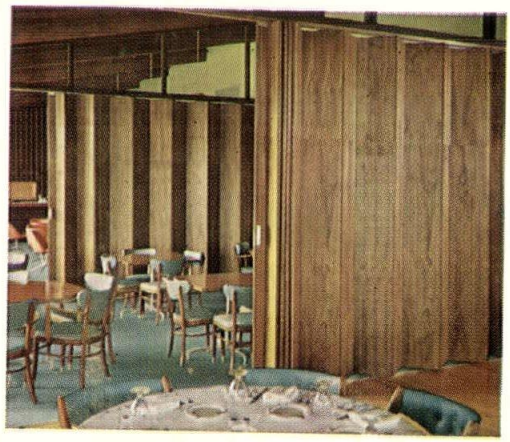

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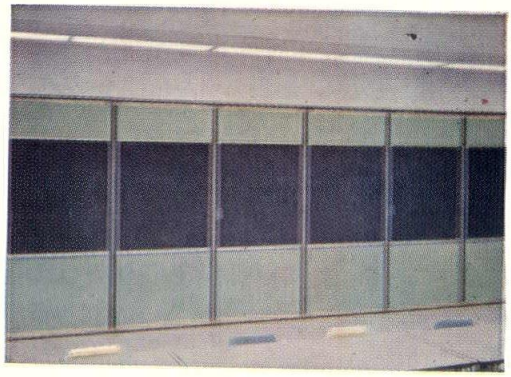

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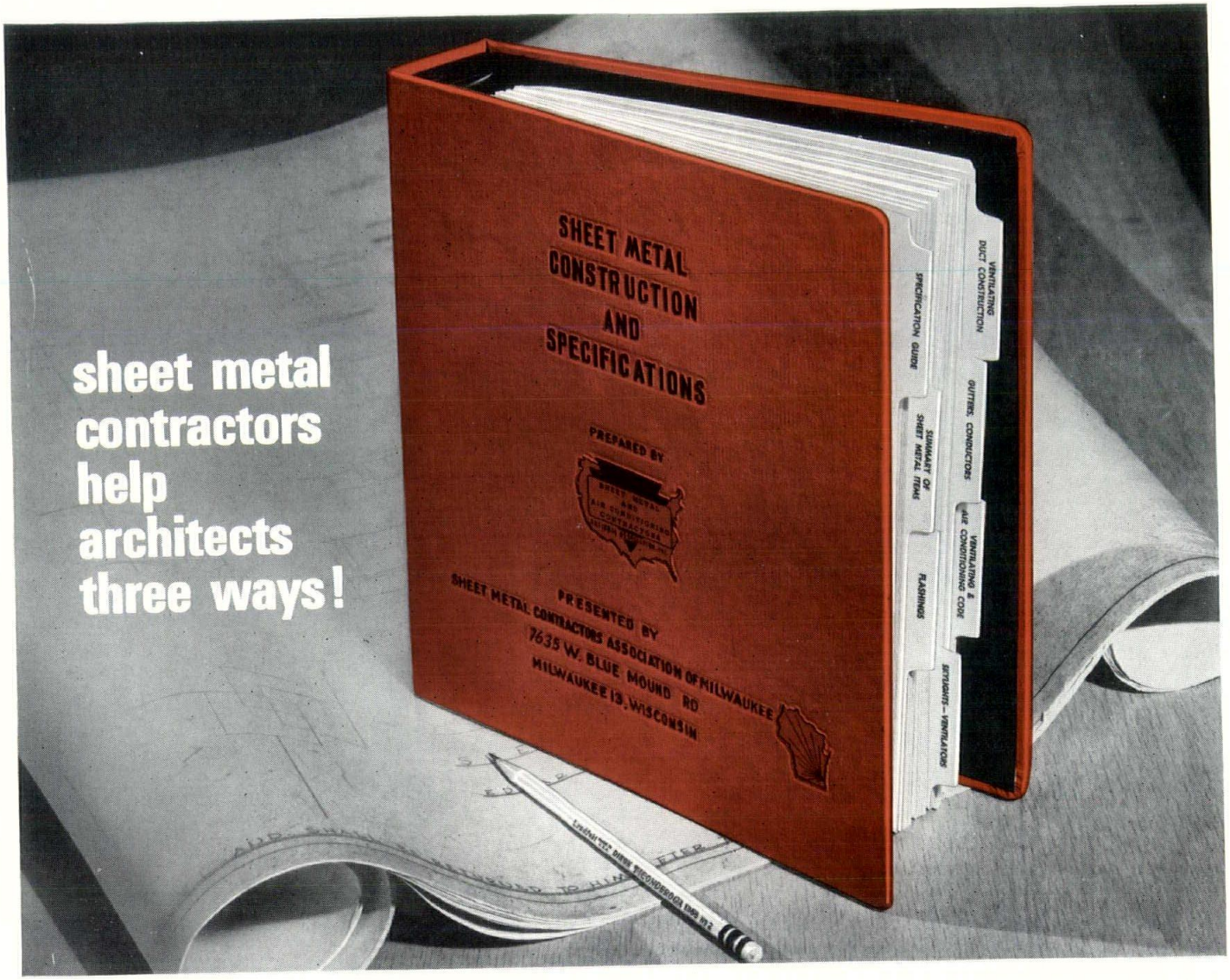

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3. A completely revised duct manual on ventilating and air conditioning systems.

For further information on this all-important service to you, please phone the Sheet Metal & Air Conditioning Contractors Association of Milwaukee, BLuemound 8-8176, or contact any SMACCA member listed below:

Milwaukee: Alco Heating & Air Cond. Co. • Auer Htg. & Air Cond. • Wm. A. Benz Sheet Metal Products • Fred A. Borchert Sheet Metal Wks., Inc. • Brozek Htg. & Sheet Metal Corp. • Butters-Fetting Co., Inc. • Century Sheet Metal Wks. • F. J. A. Christiansen Roofing Co., Inc. • Downey Heating Company • Droegkamp Furnace Company • Eschenburg Htg. & Sheet Metal Wks., Inc. • Alfred Goethel Sheet Metal Wks., Inc. • John F. Graf Htg. & Sheet Metal, Inc. • J. Groeschel & Son • Paul J. Grunau Co. • Louis Hoffmann Co. • The Holming Company Industrial Sheet Metal Works Co. • W. H. Jacklin, Incorporated • Konicki Htg. & Air Cond. Co. • The Kramer Co. • Lakeside Sheet Metal Works, Inc. • Langer Roofing & Sheet Metal, Inc. • Mantei Sheet Metal Works, Inc. • G. F. Marth & Son • Memmel Sheet Metal & Htg. Co., Inc. • Milwaukee Furnace Co. • Osmanski Htg. & Sheet Metal Wks. • Pflugradt Co. • Poja Heating & Sheet Metal Co. • Regali Company, Inc. • Louis Reinke Sheet Mtl. Wks., Inc. • Reinke & Schomann, Inc. • Roesler Htg. & Air Cond., Inc. • Jos. Romberger Co. • Schumann & Roden Co. • Seider Heating Co. • Standard Sheet Metal Works • Sunn Heating & Sheet Metal, Inc. • Vetter Hardware & Sheet Metal Voight Sheet Metal, Inc. • Walters Sheet Metal Corp. • The Wenninger Company, Inc. • Winkler Sheet Metal Inc. • Wisconsin Heating, Inc. Zien Heating & Sheet Metal • **Waukesha:** Alexander Htg. and Sheet Metal • AMCOA Sheet Metal Contractors, Inc. **West Allis:** Demshar Htg. & Sheet Metal Co., Inc. • **Franklin:** Kelly-Mohrhusen Company, Inc. • **Hales Corners:** Harry's Sheet Metal Works • Welch's, Inc. • **Thiensville:** Super Sky Products Co. • **Menomonee Falls:** C. A. Mohrhusen Plbg. & Heating Co.

CHAPTER
SHEET METAL AND AIR CONDITIONING CONTRACTORS
NATIONAL ASSOCIATION, INC.

THE SHEET METAL & AIR CONDITIONING CONTRACTORS ASSOCIATION OF MILWAUKEE

7635 WEST BLUEMOUND ROAD • MILWAUKEE, WISCONSIN 53213 • BLuemound 8-8176

CA-1

Continued From Page 22

lieve in fact and in practice by the large body of knowledge now required, they have so become and should be recognized as separate fields of study. These, however, should only become specialized fields of study after unified training in the early years.

Without being specific in curriculum, I propose that the unified training should require three years. In addition to elective studies I would suggest basic drawing and rendering techniques, basic studies in regional planning, city planning, architectural planning, interior planning and landscape architecture. I would expand basic economics into studies of financing both public and private, rudiments of accounting and public administration. I would expand history courses to be more inclusive to all subjects. I would add courses in sociology and psychology; not the psychology of mental disorders but the psychology of space, color, weather, the sociology of suburbs and slums.

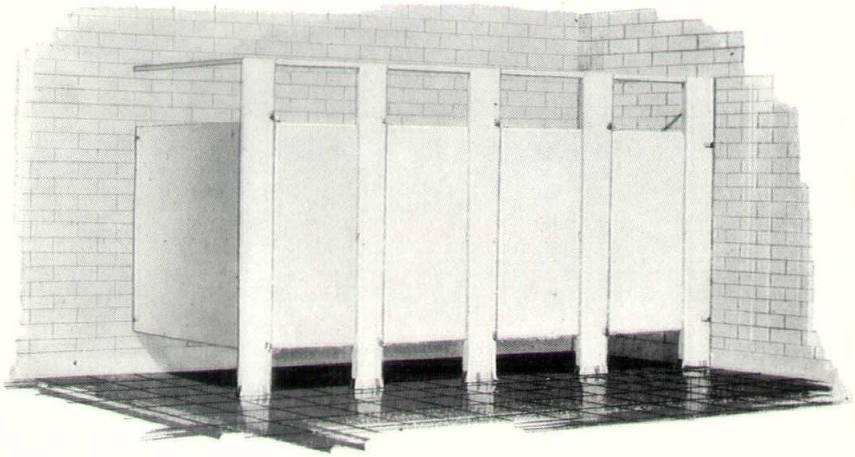
Instead of the regular English requirements I would concentrate on public speaking and on technical writing.

Through exposure to all elements of environmental design the student could best evaluate his own interest and make his final selection of his special field of study. He would be well grounded in the

Continued on Page 42

Sweets Catalog No. 22b/Co

BNCO Metal Toilet Partitions



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Spray-O-Bond was chosen to do the exterior masonry restoration on the impressive First National Bank Building — one of Oshkosh's landmarks. The program included cleaning the Indiana limestone facing with high-pressure water, followed by cutting out and tuckpointing defective mortar joints and recaulking window and door openings. Finally, the exterior was waterproofed with a special silicone designed for limestone.

Spray-O-Bond experts have serviced Wisconsin buildings since 1926. Every job is guaranteed against defects in workmanship and materials. For survey and free estimate, contact us . . . no obligation.

First National Bank, Oshkosh — an example of Spray-O-Bond workmanship.

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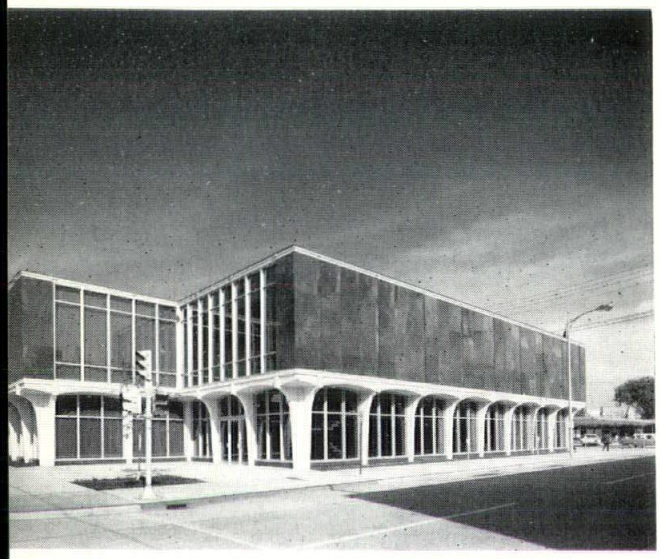


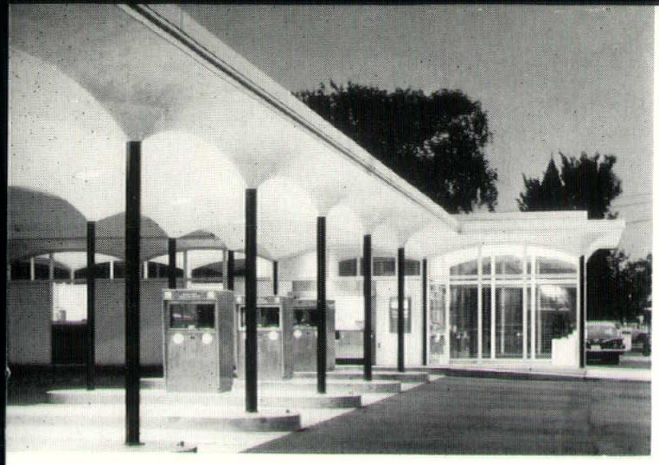
The Kellogg Citizens National Bank

Berners Schober & Kilp — Architects and Engineers

The Kellogg Citizens National Bank, the largest Wisconsin bank north of Milwaukee, was originally chartered in 1874 under the name of Kellogg Bank and merged in 1926 with the Citizens Bank. For many years it was located on the corner of Washington and Cherry Streets in Green Bay and about five years ago it become apparent to Mr. John M. Rose, President of the bank and to the other directors that serious study must be given to expansion plans if the bank was to continue in its role of business leadership in this community.

After it was concluded that it was impossible to expand on the original site, an exhaustive survey was conducted of the economic, physical and traffic patterns of growth in downtown Green Bay and the decision was made to build a new building one block away from the original site on a parcel of property at 200 N. Adams Street of adequate size, in the center of the retail complex and on one of the busiest traffic corners in the area. Prior to the development of any plans for the new bank, the owner and architect visited many of the most recently built banks on the East Coast, the middle West and the West Coast, as background information for the formulation of the building program.

Photos By Hedrich-Blessing



The instruction to the architect by the owner was to provide a facility of ample size for the present and future business operations of the bank but that equally important was to create an appearance of a contemporary progressive institution that conducted its business in a friendly, dignified manner. For this reason, the main banking floor is an open glass concept with the second floor service departments housed in an area of contrasting solid masonry.

The new building comprises 44,000 square feet with three floors devoted to banking operations with an additional 3,000 square feet for an underground walk tunnel and auto-bank operation. The heating plant and air-conditioning equipment is housed in a 3900 square foot penthouse on the roof.

Drive-in facilities, the first in Green Bay and third in Wisconsin, include customer to teller television and audio communication. The two-way television enables customers and tellers to see and talk, and make deposits and transfers through a pneumatic tube system. There is also a 42 car parking lot for customers who wish to conduct business within the bank.

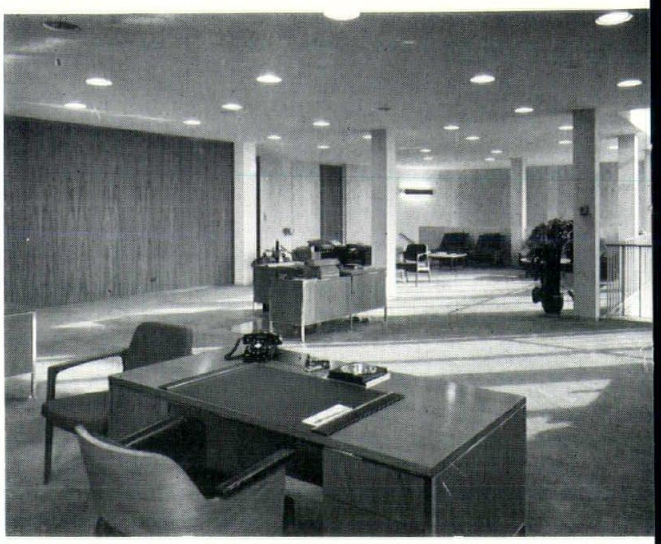
In the main building facility, pedestrian customers enter at the corner of N. Adams and Cherry Streets or at a second entrance from the parking lot. The main banking lobby is located to the left of the entrance and leads into the 24 paying and receiving teller stations. In this area are also located the desks of the officers of the bank and numerous private consultation rooms. From the main entrance, customers can also go directly into a personal loan department, which remains open after regular banking hours, or may use an ad-

Continued on Page 34

jacent elevator or stairs to the ground or second levels. The ground level includes services for bookkeeping, proof and transit departments, vault and safety deposit boxes, bulk cash, business machines and mail departments.

Located on the upper level are the trust department, credit, travel service, staff meeting rooms and employees lounge and cafeteria. Two night depositories are provided, one in the main bank and one in the drive-in facility. The materials selected for the exterior of the buildings are pre-cast quartz aggregate concrete and grey insulating glass in aluminum frames on the first floor with Lake Placid green granite panels on the second floor.

The interior main banking lobby contains pre-cast marble floors, teak wall panelling, with ventilating acoustical tile ceilings.



Other areas contain carpeted floors, off white painted plaster walls and luminous ceilings. The overall effect is one of a quiet, dignified interior with accents created by excellent original paintings and art objects.

Presently, the bank has a staff of about 100 employees and total assets of over $67,000,000.00 and provisions are made in the bank structure to add two additional floors for future expansion needs.

winners of drafting competition 1964

The Wisconsin Chapter, American Institute of Architects sponsored the 1964 DRAFTING COMPETITION to promote and stimulate greater interest and pride in the techniques and skills of architectural and engineering drafting and to foster better production of documents for use in the construction industry.

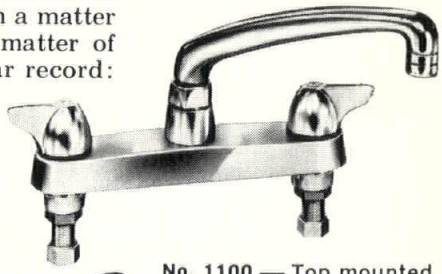
All draftsmen employed in the State of Wisconsin by an architect, by a consulting engineering firm which may be retained by an architect or by a construction industry firm which provides shop drawings for projects, as specified by an architect were eligible to enter the competition.

Each competitor had to be sponsored by a Corporate member of the Wisconsin Chapter, A.I.A., who is a principal in the firm with which the entrant is employed or is the architect in charge of the project submitted. Each sponsor vouched for the eligibility of the entrant and compliance of the competitor's entry with the rules of the competition.

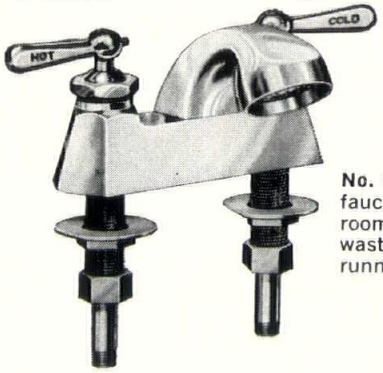
Entries were possible in six categories: A.) A complete set of architectural drawings on separate sheets (not including structural or mechanical drawings) on which the entrant did at least seventy-five percent of the work. B.) An architectural drawing at a scale of ¼" or less, such as plans, elevations, sections, etc. C.) An architectural drawing at a scale larger than ¼", such as wall sections, details, etc. D.) A structural drawing at any scale. E.) A mechanical drawing (Plumbing, Heating, Ventilating and Air Conditioning or electrical) at any

Continued To Page 41

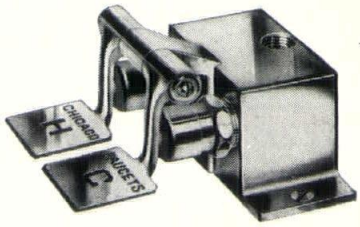
It's your widest choice, too. Chicago Faucets offer the most complete line available, with interchangeable spouts, supply arms, vacuum breakers, etc., to meet all needs, all fixtures in all types of buildings. They stay leak-free far longer because they close with the pressure — side-step the biggest cause of washer wear. When they do need time out, the replaceable operating mechanism permits minor service or complete renewal in a matter of minutes. It's a matter of record — a 50 year record: Chicago Faucets promise you the fullest measure of lasting economy, trouble-free service and low maintenance.



No. 1100 — Top mounted deck type sink faucet with one piece cast body. New Classic pattern with single wing handles.



No. 967 — Spray head lavatory faucet, for today's public washrooms. Reduces splash and water waste, permits washing in clean running water.



No. 625—Pedal Valve, mixing type. Ideal for hospitals, public washrooms, soda fountains, etc. — or as a deluxe addition to regular kitchen sink faucets.

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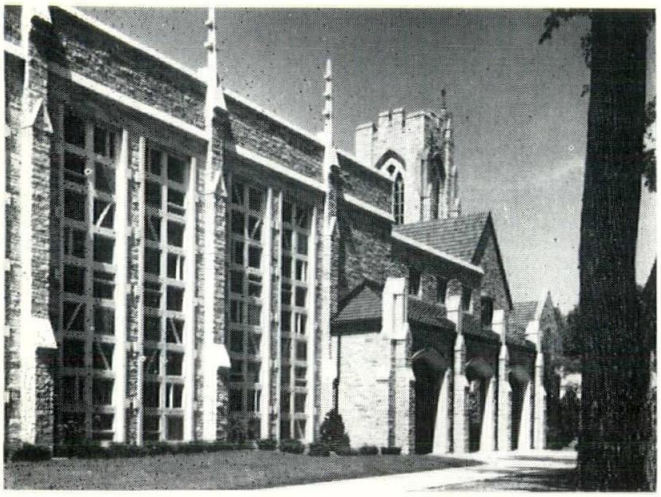
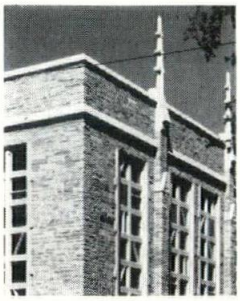
INSPIRING
--- AND QUIET!

A magnificent new educational unit was recently added to the original Bethel Ev. Lutheran Church in Madison, Wisconsin. The addition is a marvelous blend and features a smooth riding Rotary Oildraulic elevator.

More than ever before architects are specifying Rotary Oildraulics for churches and parochial additions. No longer simply a convenience, elevators have rapidly become considered a necessary complement to the function of these buildings.

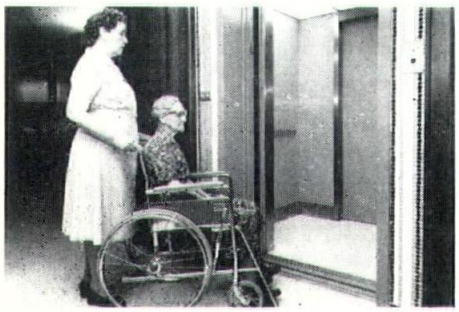
KATO * ANO *





Architectural Credits go to:

SIBERZ, PURCELL & CUTHBERT – Madison, Wis.



The quiet ride, minimum maintenance and reliably accurate self-leveling of an Oildraulic are appreciated by members of churches all over the United States.

DETAIL

You can't see it up there, but there is a penthouse. That' right . . . a Rotary power unit was installed in a penthouse designed to hold other mechanical equipment. Rotary's patented valving system permits power origination as much as 10 feet away . . . and that includes straig up!

*

Greek transl. rougl Troy's invasion wc have gone mu smoother with a tary. Sure safer t climbing a rickety der up into that ho

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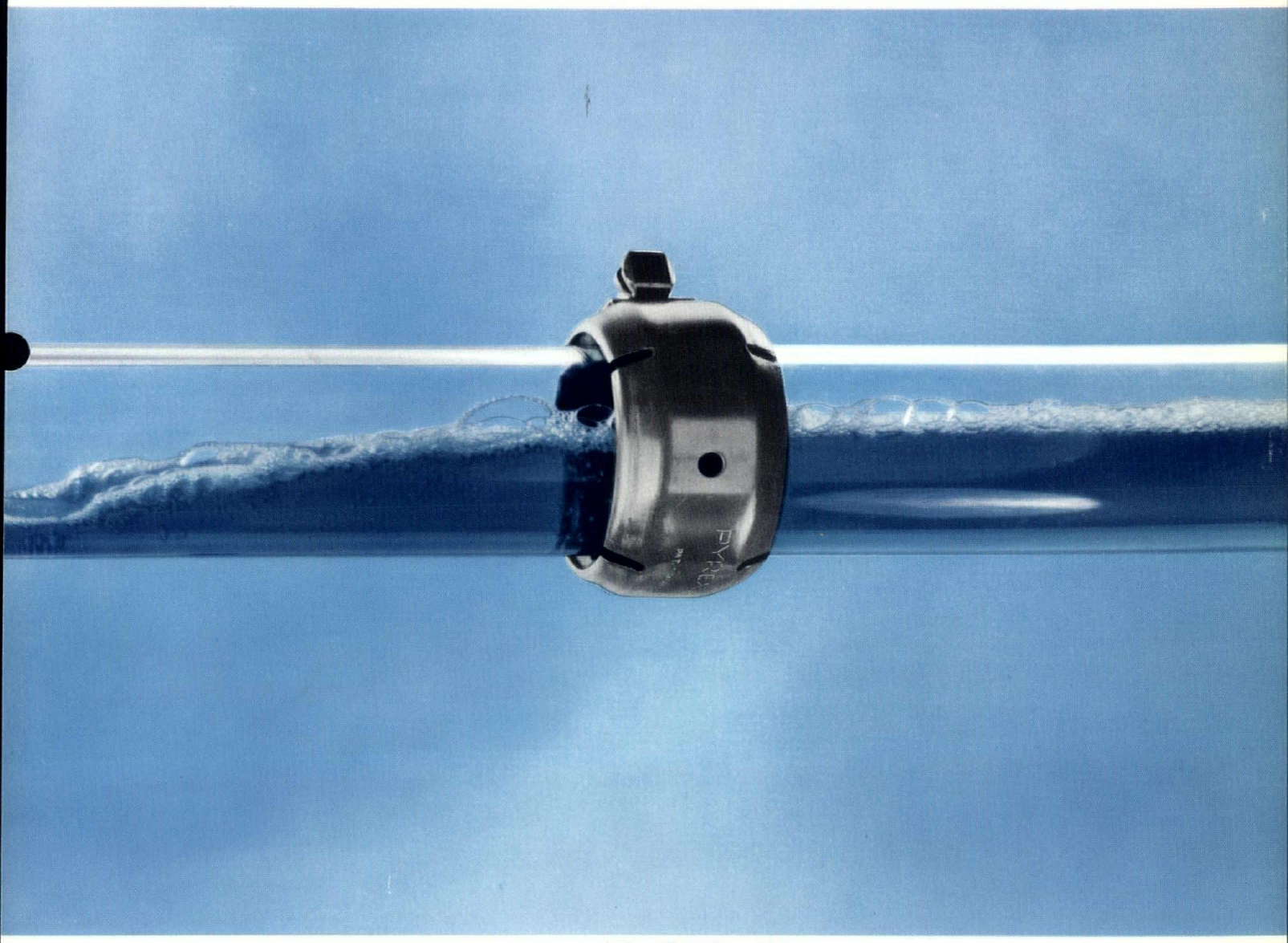
PYREX®
"double-tough"
DRAINLINE



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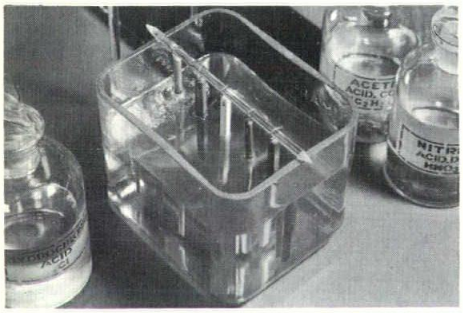
THE MODERN CHEMICAL WASTE DISPOSAL SYSTEM

Corrosion and leakage are the two worst problems you will encounter with a chemical waste drainline. PYREX "double-tough" drainline eliminates both. These are the chief reasons it is fast becoming the **standard** chemical waste disposal system.

PYREX drainline is a simple combination of materials that have been proved repeatedly in the field:



Formula No. 7740 Glass . . . the same glass you find used in every laboratory because of its corrosion resistance.

Teflon 110 (Du Pont trademark) . . . an improved form of the most universal gasket material known. It's as corrosion resistant as the glass.

New compression joint . . . the only **sure** way of getting a leak-free joint.

NO CORROSION, NO SCALE

Practically all corrosion tests run in industrial labs are done in PYREX laboratory ware. We use the same glass in PYREX drainline—we just make it bigger and thicker and stronger. This glass has had more than 45 years' experience fighting corrosion, 25 of them in known drainline service.

The liquid-smooth walls of PYREX drainline discourage the build-up of scale. On the few occasions when there might be a slight scaling, it is temporary since the rate of expansion of the scale is higher than that of the glass and it breaks away easily when the temperature changes.

NO LEAKS

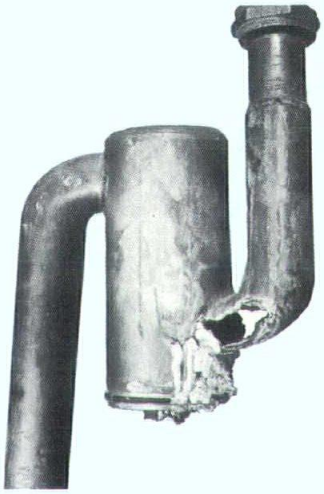
The PYREX drainline joint is a simplified version of the compression joint we've been making for almost 40 years. It's the best joint available for drainline service. It's easy to make a gasket seal against the smooth surface of glass. The joint itself is designed to minimize human error. The coupling comes from the factory in one piece. You tighten just one nut and the seal is set. We sell an inexpensive torque wrench which assures positive seals. Just turn the wrench until it spins free.

LOW COST

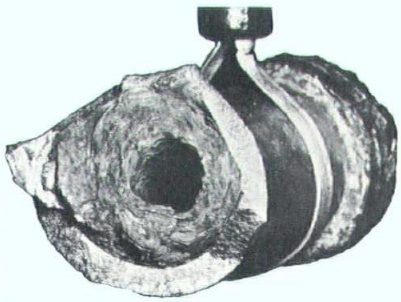
PYREX drainline is priced competitively with other drainline materials . . . yet it's resistant to more chemical wastes (especially acid wastes) than any other drainline.

Really significant savings show up during installation. Fewer joints are made. Leak-free joints are made and forgotten. No cleanouts or expansion joints are necessary. Fewer hangers are used. Lightweight line goes up faster.

Even bigger savings show up in maintenance. For all practical purposes, there just isn't any maintenance with a PYREX drainline.

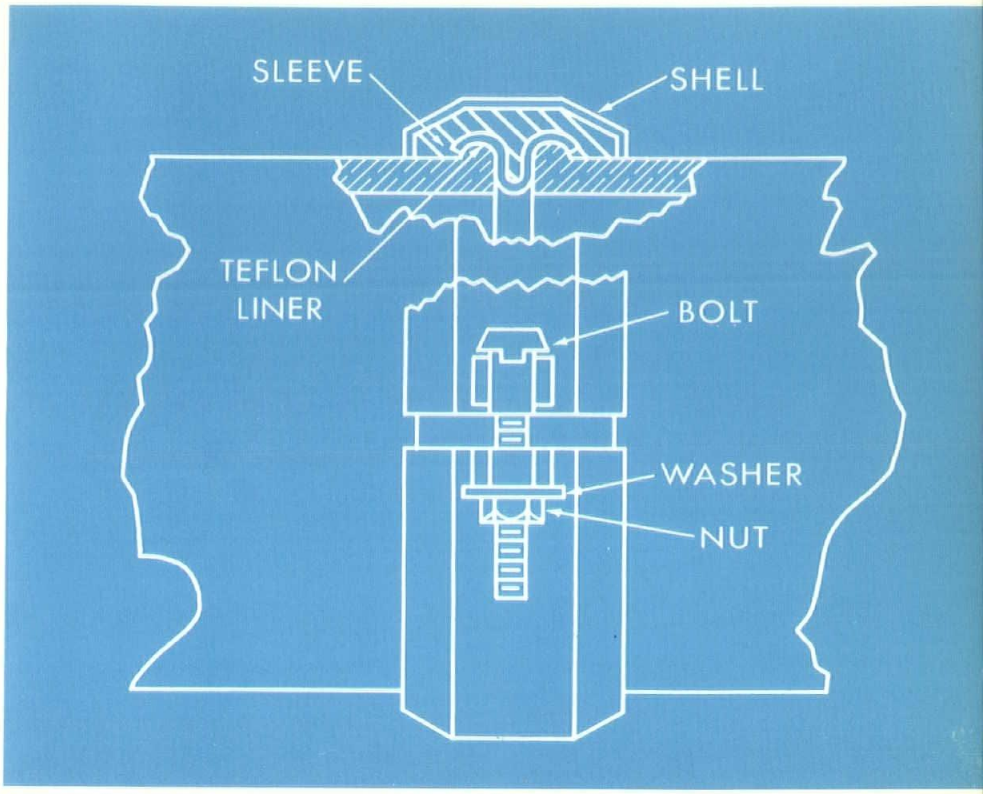


To avoid trap failures like this, you need the corrosion resistance of PYREX drainline.



To avoid plugs like this, you need the inertness and smoothness of glass.

©CORNING GLASS WORKS 1962



One nut sets the seal on "double-tough" drainline

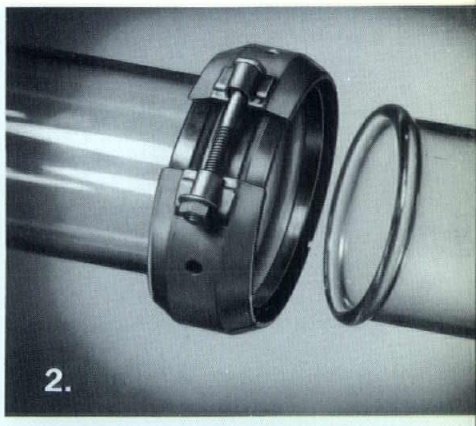
This simple joint is one of the reasons PYREX drainline ends problems of corrosion and leakage forever.

Stab this simple coupling with two lengths of PYREX drainline. Turn the one nut until the torque wrench spins free. You've got a positive stay-tight seal.

Installation techniques are conventional. Corning field representatives will gladly review them with any group, large or small.

WHAT "DOUBLE-TOUGH" MEANS

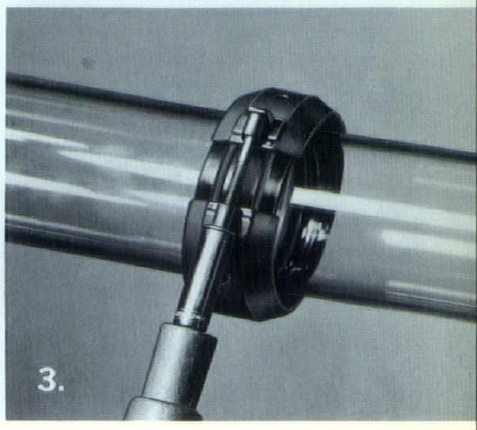
Formula No. 7740 glass is pretty tough itself. When we use it for drainline, though, we give it special heat-treatment to make it even tougher where extra strength is needed—at the joint and in the fittings. All fittings, except when noted, are completely tempered. The ends of all straight lengths are tempered. Tempering increases strength two to three times that of the basic glass.



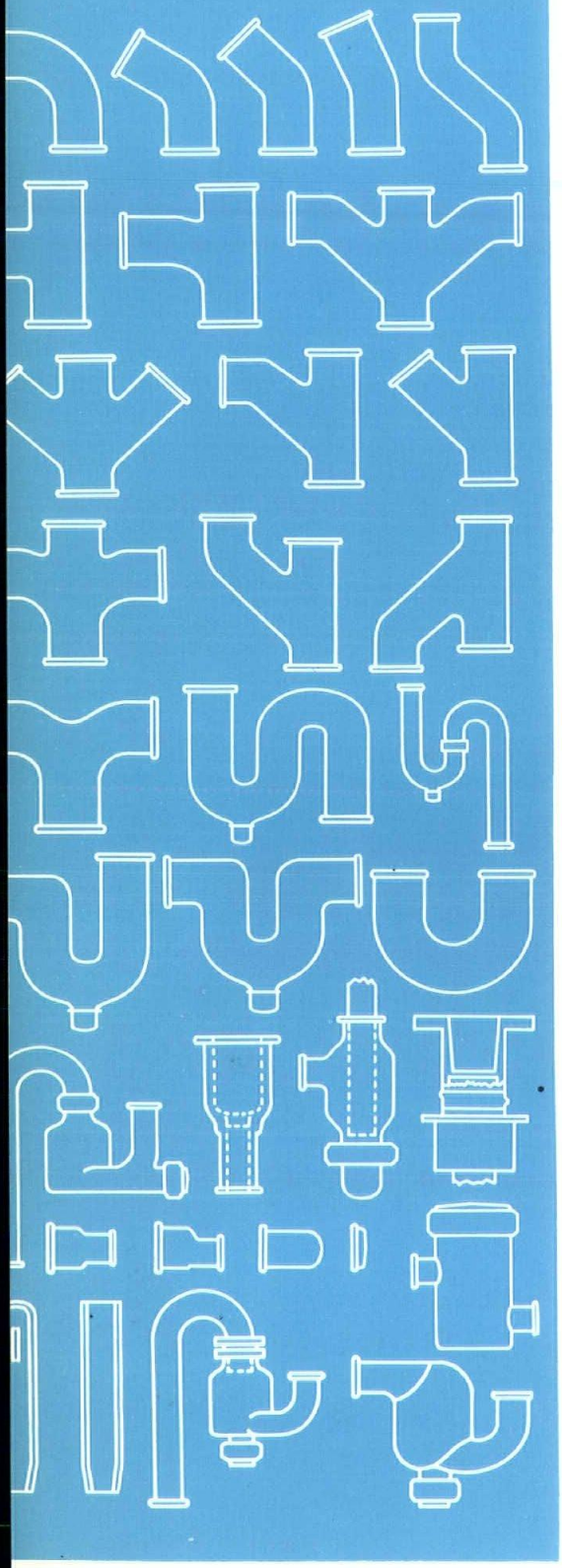
1. Wet the coupling.

2. Stab both pipes into the coupling.

3. Turn the one nut to pre-set torque.



Fittings are available for every type of installation



PYREX drainline ELIMINATES problems

Amalgamation will not occur when mercury drops into a PYREX drainline. In fact, you can usually recover and re-use the mercury.

Burial of PYREX drainline is easy. Use heavy-schedule straight lengths, regular-schedule fittings, coat with black mastic.

Cleaning is easy. Corning distributors have plastic-coated snake.

Cleanouts available—usually not necessary. Individual sections of pipe removable.

Concealment of PYREX drainline can be recommended, whether the pipe will be accessible or not.

Expansion due to temperature change is so small, it can be ignored safely. Expansion joints are **not** recommended.

Fittings—a complete range of fittings is available to do any drainline job.

Hanging techniques are similar to those used with other drainline. We offer free training and color movies along with an installation manual (PE-28).

Height is no problem. Stack PYREX drainline as high as you like.

Installation supervision—consult your nearest Corning distributor or field representative.

Joining to other materials is straightforward. See installation manual PE-28.

Layout is the same as with other drainlines.

Lengths of five and ten feet are standard. Odd lengths may be ordered but are usually made right on the job.

Scale seldom forms on PYREX drainline—is temporary at the worst. Its higher rate of expansion and contraction than that of the glass, causes it to break away easily when temperatures change.

Scrap is usually very low. Short lengths can always be made from longer ones.

Service can be had from twenty stock locations in the United States, Canada, and Mexico.

Sizes are 1½" through 6".

Support is conventional, except fewer hangers are needed.

Take-off is conventional. Count fittings. Determine total running feet of regular-schedule and heavy-schedule straight lengths. Simply add the number of drainline couplings and adjustable joints.

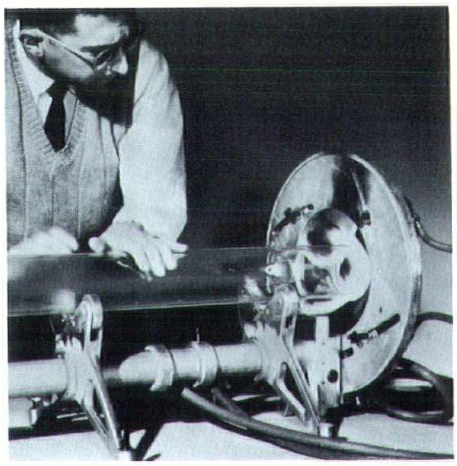
Temperature rating is 250°F. for all sizes.

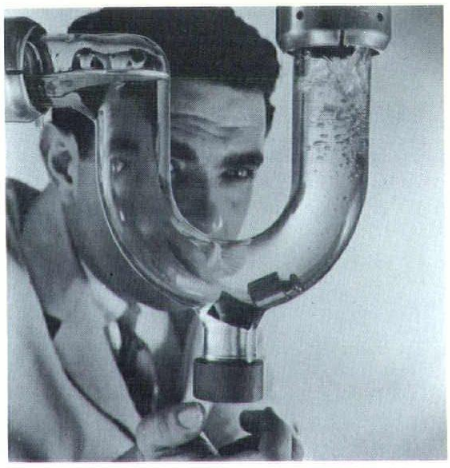
Thermal expansion is extremely low—approximately ¼ that of steel and 1/16 to 1/45 that of plastic pipes. One hundred feet of PYREX drainline will expand only ¼" if the temperature is increased 100°. **No allowance need be made for thermal expansion.**

Thermal shock—resistant to changes of up to 200°F for 1½" through 3", 175°F for 4", and 160°F for 6".

Training of any group, large or small, on request. Two training movies are also available.

Transparency allows easy location of stoppages. However, in areas where transparency is objectionable, the line may be painted.





Ordering is done by code number or description, or both.

Painting—use the same paints as for other piping.

Pipe cutting—pipe can be cut to length on the job and prepared for the joint. Special kit, training available.

Pressure rating is 15 psi on all sizes. May be increased to 22 psi during water tests.

Waste should be extremely low, because short lengths can always be made from longer ones in the field.

Weight is extremely low. PYREX drainline weighs approximately 1/7 as much as bell-and-spigot metal pipe.

For complete details, specifications, and prices, write for Bulletin PE-30.

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CORNING GLASS WORKS

Technical Products Division
Corning, New York

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Continued From Page 35

scale, provided that the sheet did not consist primarily of schedules. F.) A shop drawing at any scale.

All entries were judged according to:

1. Linear quality
2. Clarity of dimensioning, details and material indication
3. Simplicity and legibility of freehand lettering
4. Composition of individual sheets or sets of drawings
5. Due regard in drafting for processes used in reproducing drawings.

Three prizes were awarded in five categories. There were no submissions in category F. First prize in each category amounted to $100.00 plus appropriate certificate. Second prize in each category was $25.00 plus certificate. Third prize consisted of an Award Certificate.

Winners in category A — Complete Set of Architectural Drawings were:

FIRST PRIZE — ONEN J. WAKEFIELD
SECOND PRIZE — HAROLD A. PECKHAM

In category B — Small Scale Architectural Drawings:

FIRST PRIZE — ONEN J. WAKEFIELD
SECOND PRIZE — WILLIAM NAHIRNIAK
THIRD PRIZE — WALTER W. NELESEN

In catetory C — Large Scale Architectural Drawings:

FIRST PRIZE — JON D. LUCKSTEAD
SECOND PRIZE — WILLIAM CULLEN

In Category D — Structural Drawing:

FIRST PRIZE — WALTER W. NELESEN
SECOND PRIZE — ONEN J. WAKEFIELD
THIRD PRIZE — LEROY TISLAU

In category E — Mechancial Trades Drawings:

FIRST PRIZE — RICHARD F. NUEZ
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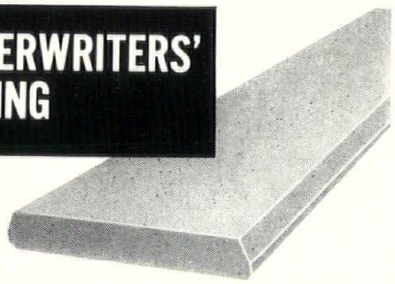

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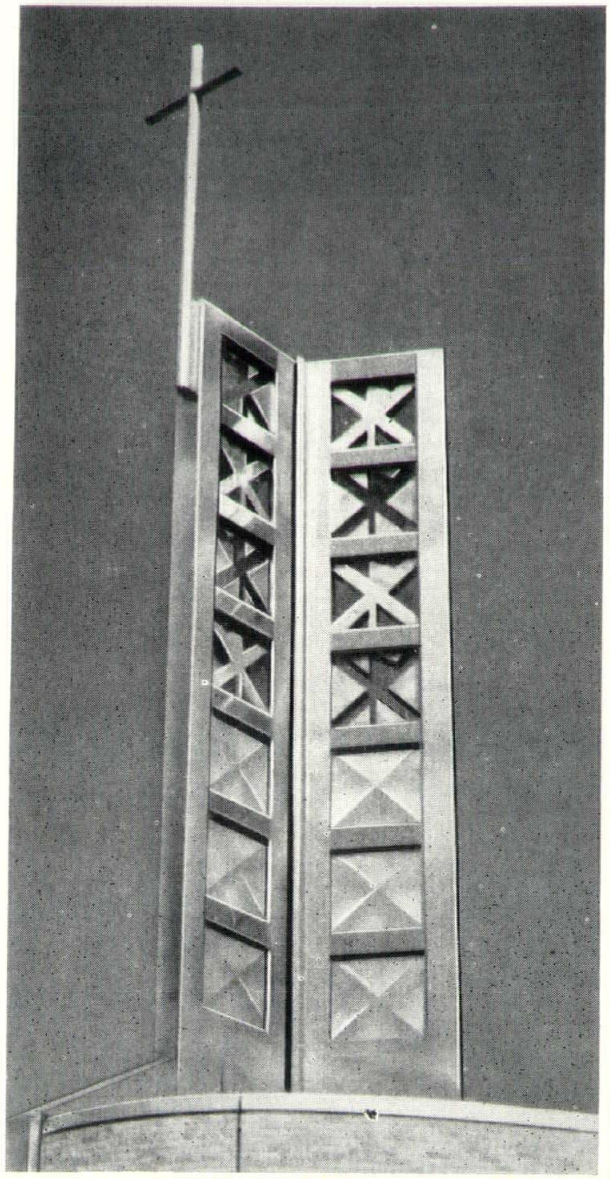

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Continued From Page 31

total concepts, would have a basic understanding of mutual problems, relationships and communication. The student would thus be prepared to pursue his special course of study which could require two to three more years.

The student might elect architecture and could complete his training by more detailed study of the subjects usually taught at an architectural school including design and engineering necessary to qualify him to practice.

Interior design already has become well entrenched as a separate field, requiring additional training in materials, colors, scale, rendering, structural and mechanical engineering, psychology, body mechanics and so forth.

Specification writing is fast emerging as a field of its own. It requires special language skills and material knowledge. The specification writer should be trained to function in all fields of environment. He should be knowledgeable in interior products, architectural and engineering products. He should be able to specify road construction, regional sewerage networks, heating plants, concrete or chair fabrics with equal skill. He should be exposed to fields of study including law and technical writing as well as to a whole array of specially designed architectural and engineering courses.

Regional planning and city planning may seem to be the same at first glance, but with the growth of the megapolis as a reality, regional planning with geographical problems, traffic problems, relationship of socio-economic planning, even water and sewerage networks takes an entirely different aspect from city planning and certainly requires a separate course of study.

The city planner, while sharing some courses with the regional planners, would also have many different courses. The curriculum should attempt to balance the sociologist's and the architect's training to use the best of each.

The history major should, of course, be exposed to and become versed in all phases of environmental design. He should be prepared to function as the conscience and critic of the professions.

Materials engineering should be introduced as a new program. It should deal with design, evaluation, and testing of materials. It should include studies of economics of materials, durability, maintenance of materials, classification, uniformity of testing and reporting of materials.

The outline curriculum herein presented is admittedly sketchy. Details and refinement would require considerable study to be sure. I am presenting this as a statement hoping to encourage other opinions and comments of members of our profession before the final course of action by the university is determined.

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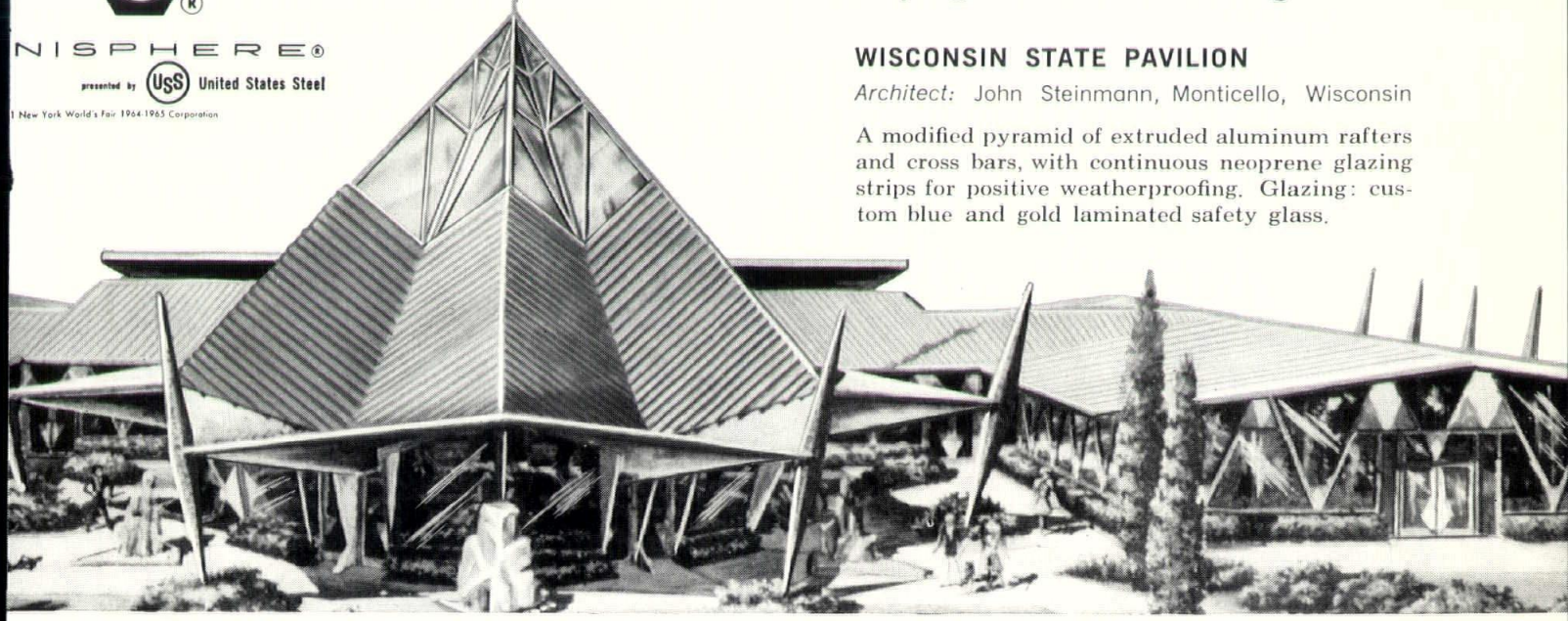
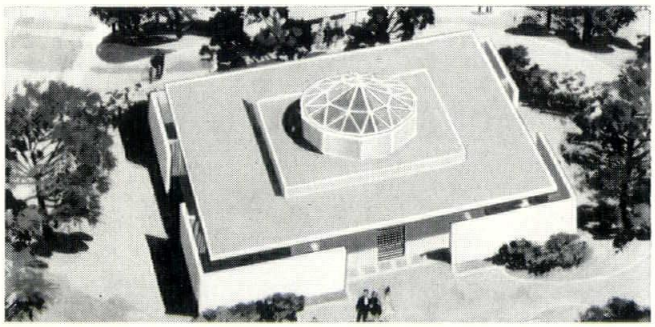
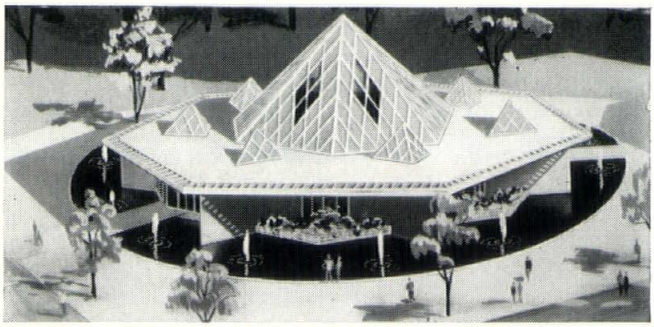
WISCONSIN STATE PAVILION

Architect: John Steinmann, Monticello, Wisconsin

A modified pyramid of extruded aluminum rafters and cross bars, with continuous neoprene glazing strips for positive weatherproofing. Glazing: custom blue and gold laminated safety glass.







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Architect: Edward Durell Stone, New York City

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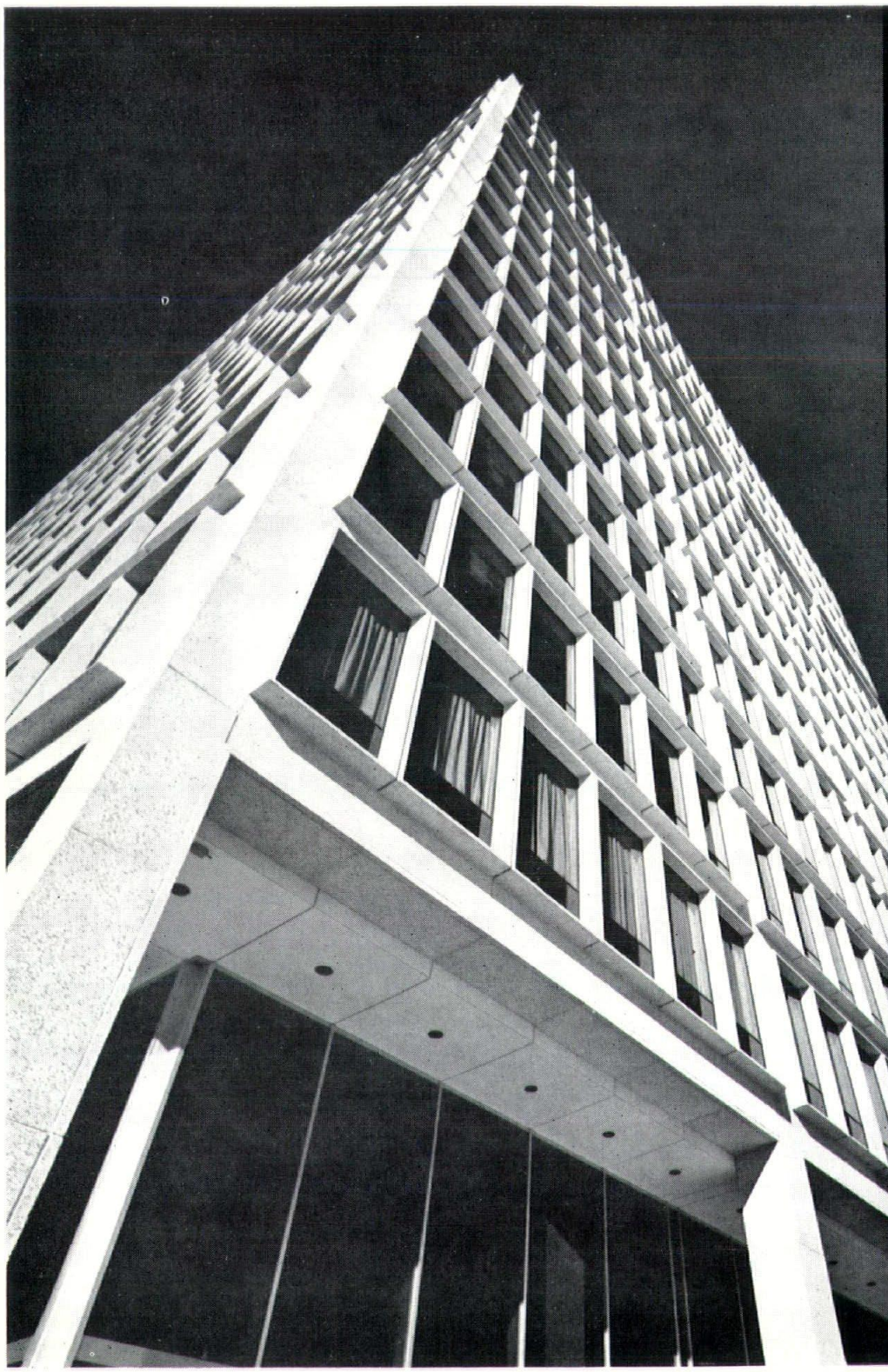
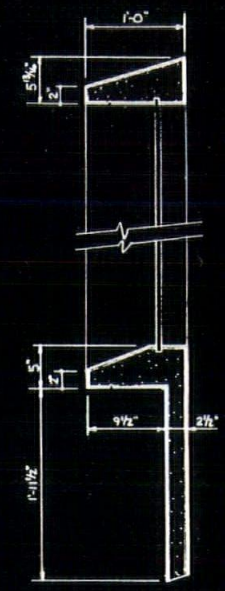
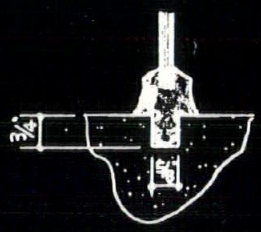


Mo-Sai Windowall Section



Rubber Gaskets and Glazing Done at Job Site Before Erection of Precast Units



Window Slot Detail

Pierre Laclede Building, St. Louis, Missouri

Architects & Planners: Smith & Entzeroth, Inc.

Developers: G. J. Nooney & Company

General Contractor: Fruin-Colnon Contracting Company

Photos: Mac Mizuki

Badger Mo-Sai windowalls cast in bold paterns form the facade on a new office building for St. Louis. Mullions and spandrels for two windows were cast in one unit. Gleaming white quartz and light tan gravel provide color and texture to the maintenance free Mo-Sai units. Considerable time and labor were saved by preglazing the Mo-Sai windowalls on the ground before setting them into place. Rubber gaskets hold the glass directly into grooves cast in the Mo-Sai windowall units. Matching Mo-Sai also serves as column facings, garden retaining walls, and urns.

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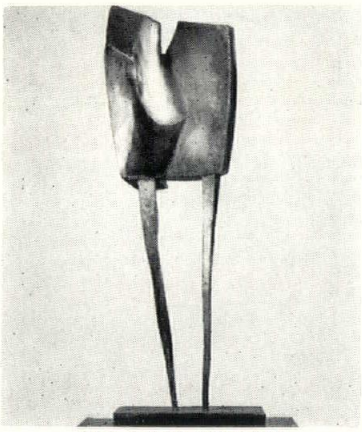
wisconsin architects' foundation

1964 ART AWARD

Wisconsin Architects Foundation's award of $50 at the Annual Wisconsin Painters and Sculptors Exhibition, held May 14 to June 14 at the Milwaukee Art Center, was given to Jack Klein for the sculpture pictured here, bearing the cryptic title "Ten Outs #111." Acting as judges for the Foundation, Directors Roger M. Herbst, Sheldon Segel and Frederick J. Schweitzer found this sculpture more significant than the paintings in the exhibition heretofore considered in the five previous annual awards. Their criterion was based on "excellence in creativity in sculptural form." It was surprising for the judges to learn later that this seemingly mature work was that of a senior student majoring in art at the University of Wisconsin, Madison. Mr. Klein participated in the Wisconsin Exhibition for the first time, his previous exposure having been in student exhibits and the Wisconsin Salon of Art in Madison. The young man has talent which shows a fine future potential.



AIA-ACSA GRANT

The Foundation has continued its annual support of the AIA-ACSA Summer Seminar for Teachers of Architecture, to be held again this year at Cranbrook, Michigan. Stipulation which accompanied the grant of $75 requested that a resident of Wisconsin be favored.

PRODUCERS COUNCIL

At a meeting at the State AIA Convention at Delavan, Director Fritz von Grossmann accepted on behalf of the Foundation a contribution of $50 from The Producers Council. This amount is in addition to the $82 the Foundation benefited from the Council's party at the Swan Theater earlier this year. The Foundation's Directors are grateful to The Producers Council membership for their interest and consideration.

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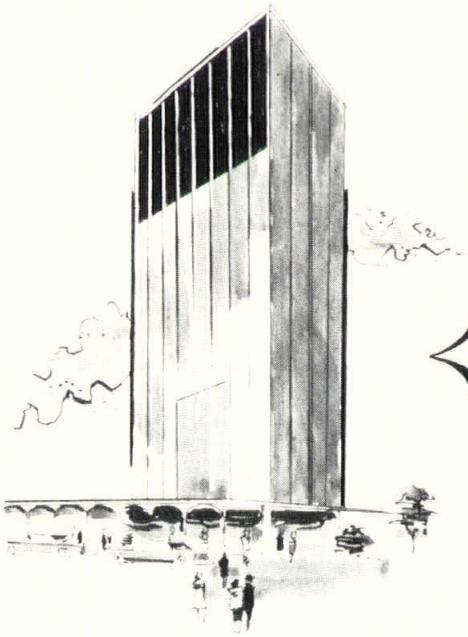

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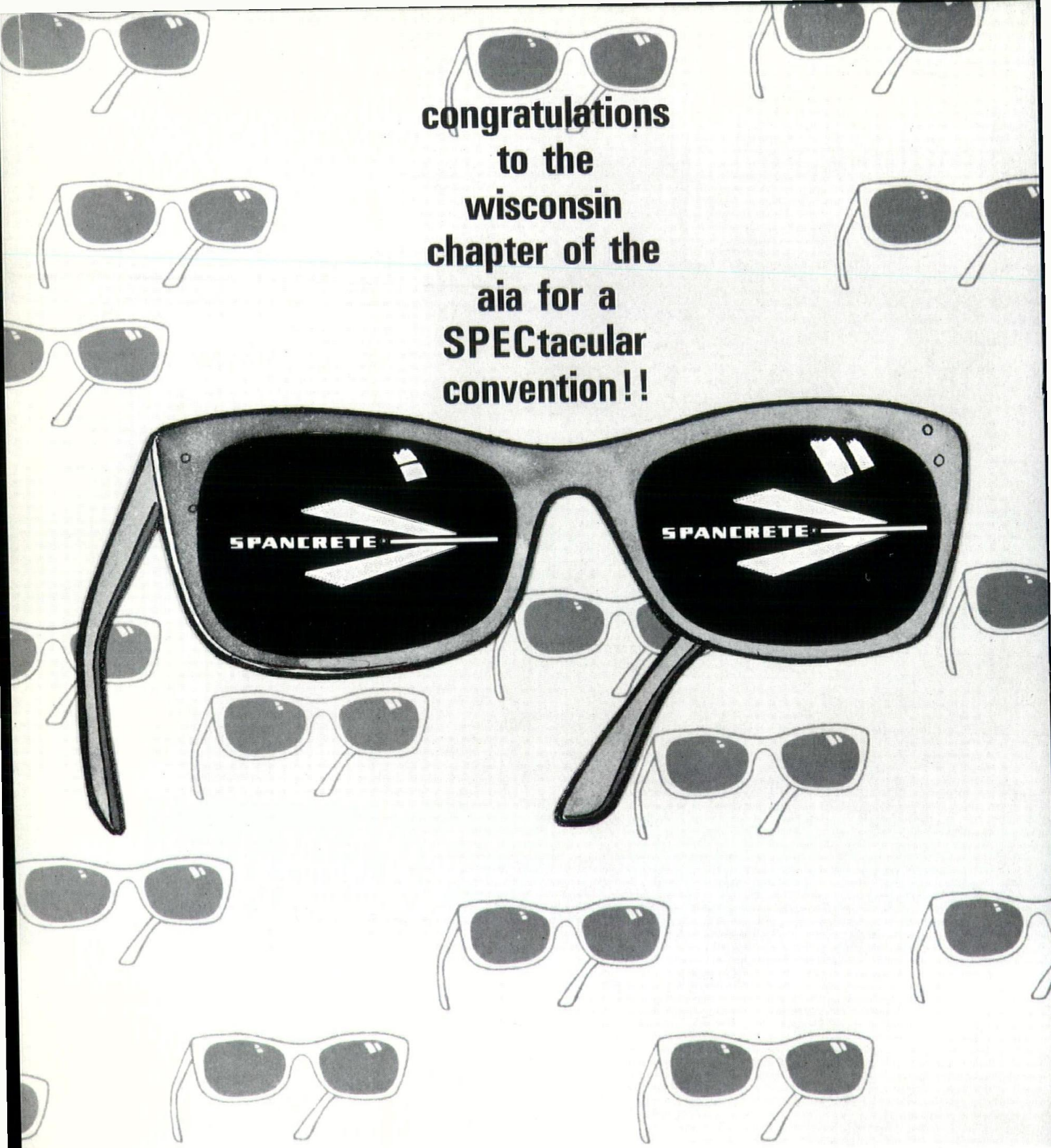

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BORN: Racine, Wis., May 16, 1931
RESIDES: 301 E. Wilbur Ave., Milwaukee
FIRM: BRUST & BRUST, Milwaukee
DEGREE: B.S. Light Bldg., U. of W.
Advanced from Junior Associate to Associate in 1958, Advancing from Associate to Corporate.

RICHARD P. LINDE
BORN: Milwaukee, March 28, 1932
RESIDES: 312 Michigan, Sheboygan
FIRM: Lawrence E. Bray, Inc., Sheboygan
DEGREE: Mass. Inst. of Tech, B. of Arch.
Advanced from Junior Associateship to Corporate. Joined as Junior Associate in 1958

GUSTAVS M. MARTINSONS
BORN: Riga, Latvia, January 29, 1926
RESIDES: 1707 Summit Ave., Madison
FIRM: Peters and Martinsons Associates, Madison
Joined as an Associate member in 1961, advancing to Corporate

Associates:

STUART GALLAHER
BORN: Appleton, Wis. April 16, 1931
RESIDES: 5150 Door Drive, Madison
FIRM: Fritz and Rosenthal, Madison
New member. B. Arch. from the University of Illinois.

CLARENCE J. GRUHL
BORN: March 9, 1891, Milwaukee
RESIDES: 4456 No. Prospect Ave., Milwaukee
Retired Architect-Engineer. Presently engaged in tutoring prospective Architects.

WOMEN'S ARCHITECTURAL LEAGUE OF MILWAUKEE, INC., announces its annual THEATER PARTY for Sat., June 20, 6 p.m. The special projects committee has planned a gala evening beginning with the delightful musical "Kiss Me Kate", starring Howard Keel at the Melody Top, 7201 W. Good Hope Rd., followed by a buffet and party at the Tripoli Golf Club, 7401 N. 43rd St. Admission $7.50 per person. This is the major effort of the WAL to benefit the Wisconsin Architects Foundation. For further information call FL 4-8847 (Mrs. Alexander) or WO 2-2341 (Mrs. Segel).

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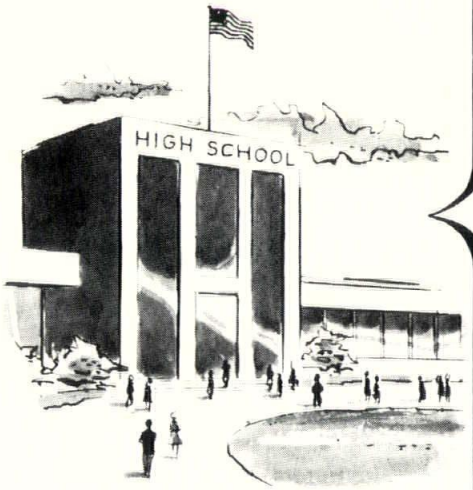

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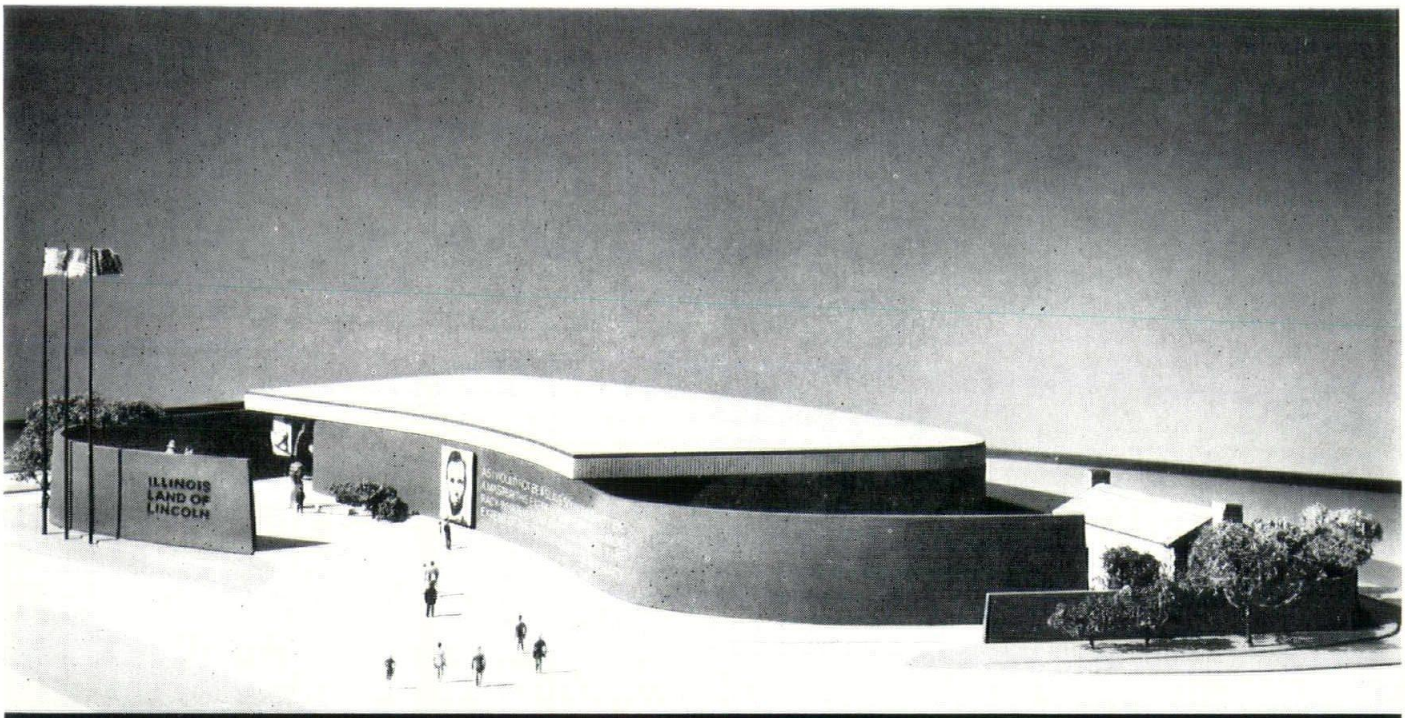

Illinois Pavilion, New York World's Fair
Skidmore, Owings & Merrill—Architects
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Brick is the "perfect material" for the Illinois Pavilion at the New York World's Fair, according to Skidmore, Owings and Merrill, architects for the project. The 19'-high brick walls give the Pavilion a dignity that is in direct contrast to Fair buildings making more fanciful uses of other materials. The free-form design—easily carried out in brick—fits the Pavilion to its irregular site.

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Chapter Notes

The Executive Committee of the Wisconsin Chapter, A.I.A. met on April 27, at Lake Lawn Lodge, Delavan with the following present: Leonard H. Reinke, Mark A. Pfaller, Emil Korenic, Allen Strang, Lawrence Bray, Robert Cashin, Joseph Durrant, Paul Graven, Donald M. Schoepke, Robert Sauter, A.A. Tannenbaum and William Wenzler.

Seven membership applications were considered and action was taken.

The Northern Section bylaws were again considered. There are some points in these new bylaws where there is no conformity to the Chapter bylaws. It was recommended that the section make adjustments so that their bylaws are in line.

Fritz von Grossmann, 1964 Convention Committee Chairman, reported on the convention. He noted that all details seemed in order and had the appearance of a very successful year.

Sheldon Segel, Convention Committee Chairman for 1965, elaborated on some of his ideas for next year. The entire program depends on the location selected and approved by the Executive Committee. Some discussion centered around having the meeting extend into the weekend, making it possible for more of the younger members to attend. Theme and program are not yet selected.

The Executive Committee will host a group of Danish Architects touring this country. There has been an interest expressed in the Racine area as a possible target for this group.

William Wenzler reported on a conference on church architecture set for October 24, 1964. The Wisconsin Chapter, AIA is assisting the American Society of Church Architecture in planning a Milwaukee program.

Selection of delegates to the national convention in St. Louis was made. Delegates, as in the past, will be on a first come first serve basis, with preference to members of the Executive Committee.

Appointment of three new directors to the Wisconsin Architects Foundation was made. Sheldon Segel will be reinstated for another term, Ralph Kloppenburg will replace Leonard Reinke and the third candidate, to replace Robert Sauter, will be named June 1.

The meeting was adjourned at 5:25 p.m.

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